

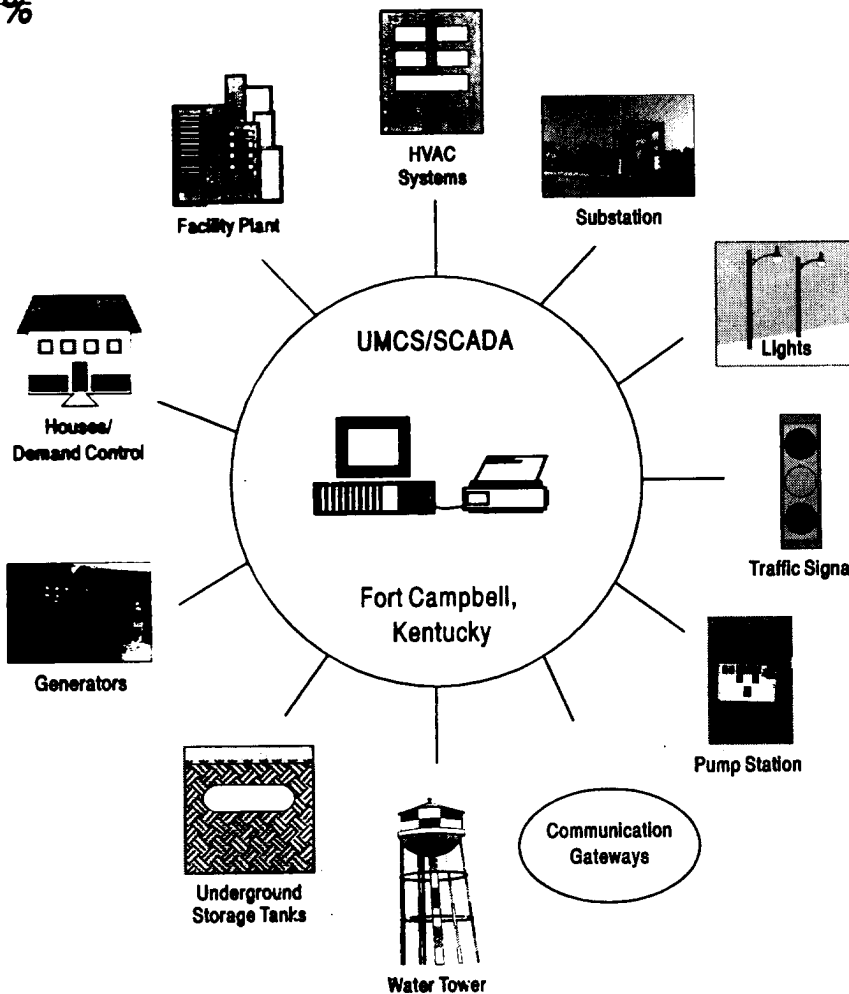
FEASIBILITY STUDY, FY95S EEAP

Utility Monitoring & Control System (UMCS)/ Supervisory Control and Data Acquisition (SCADA) System Fort Campbell, Kentucky

Pre Final

Interim Report 60%

Field Notes



CONTRACT #DACA01-94-D-0034
SYSTEMS CORP PROJECT #94013.08
AUGUST 18, 1995



Louisville District-
US Army Corps
of Engineers

SYSTEMS*corp*

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

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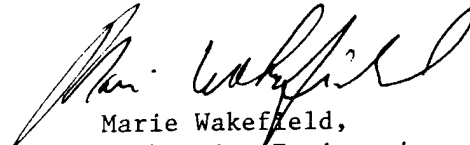


DEPARTMENT OF THE ARMY
CONSTRUCTION ENGINEERING RESEARCH LABORATORIES, CORPS OF ENGINEERS
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Marie Wakefield,
Librarian Engineering

SURVEY FORMS

SURVEY FORMS

The following survey forms are organized by building number. The building numbers are listed below.

38	3902	6254	6929
1501	5207	6390	6992
2577	5210	6551	7008
3717	5580	6555	7112
3725	5661	6559	7251
3759	5740	6628	7264
3763	6145	6920	7540

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: LIBRARY

BLOG. NO. 38

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER LIBRARY

GROSS FLOOR AREA: 10,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Checked By

Date

Prepared By

GBL

Sheet No.

Project

FY 95S EEAP - FT.

Job No.

94213

1 OF 1

SYSTEMS Corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER		BLDG. NO.
AIR HANDLERS		HEATING TYPE <input type="checkbox"/> HW <input checked="" type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		
		CONTROL POINTS REQUIRED		O.A.T. ECONOMIZER
DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.
AH-1	MULTIZONE		4	
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

NOTES: - SENSING HUMIDITY (1) SPACE ALSO - ^{STEAM} HUMIDIFIERS - NO REHEAT
 - WILL HAVE TO REPLACE DAMPER ACTUATORS - OLD

CHILLERS/CONDENSING UNITS		CONTROL POINTS REQUIRED			
DESIGNATION	CHILLER	COND. UNIT	ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> 2 compressors - 30 TONS EACH	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SPLIT SYSTEM AIR COOLED CONDENSER OUTSIDE

PUMPS - CHILLED WATER & CONDENSATE WATER		PRESENT CONTROL		CONTROL POINTS REQUIRED		
DESIGNATION	HP	DISCH. PRESS.	MANUAL	OFF w/ CHILLER	ON/OFF	TEMP
P-2	5	_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM TYPE: HW STEAM ELECTRIC

BLOC. NO. 38

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				L.W.T.	O.A.T.	
<u>B-1</u>	<u>N.G. FOR</u>	<u>2.0</u>	<u>15#</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. FE.	RESET CONTROL		CONTROL POINTS	
			MANUAL	ON/OFF W/WATER	ON/OFF	TEMP
<u>P-1</u>	<u>2</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A. RESET</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HF/SCW	MBTU/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: OFFICER'S CLUB

BLOG. NO. 1501

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
DINING	6	6
OFFICE	12	6
KITCHEN	12	
BML RM	6	3

ESTIMATED NO. OF OCCUPANTS: 10 TO 100

GENERAL COMMENTS:

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No. 94013	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER		BLDG. NO. 1501	
AIR HANDLERS		HEATING TYPE <input type="checkbox"/> HW <input checked="" type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		CONTROL POINTS REQUIRED	
DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
MZ-1	MULTIZONE		8		
MZ-2	MULTIZONE		3		
DINING RM	MULTIZONE		2		
RESTROOMS	CONST. VOL. PREHEAT		1		
HALL ROOM	" "		1		

- NOTES:
- DINING RM MULTIZONE HAS 2 CONTROL DAMPERS ON O.A. - SET AT MIN. O.A.
 - ALL STEAM PREHEAT COIL, STEAM & C.W. COILS - HOT TACK & COLD TACK UNITS
 - MZ-1 SERVES 1ST FLOOR
 - MZ-2 SERVES 2ND FLOOR OFFICES, BATHS, REST ROOMS

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CU-1 100 TON	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/TOWAN TRIP	ON/OFF	TEMP
CH. WTR	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS Corp

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BOILER HEATING SYSTEM TYPE: HW STEAM ELECTRIC BLDG. NO. 1501

BOILER DESIGNATION	TYPE <small>GAS</small>	MBH/HZ	TEMP/PRESS	CONTROL POINTS REQUIRED		
				LW.T.	O.A.T.	PRESSURE
<u>B-1</u>	<u>C.I. Sect.</u>	<u>4.0 MBH</u>	<u>output 10#</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS REQUIRED	
			MINIMUM	ON/OFF W/BLEED	TEMP	TEMP
<u>P-2</u>	<u>3</u>	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>2</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HZ	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: NCO CLUB

BLOG. NO. 2577

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER CLUB

GROSS FLOOR AREA: ~15,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>DINING</u>	<u>6</u>	<u>6</u>
<u>OFFICE</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 5-75

GENERAL COMMENTS:

Title EOD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
	Prepared By <u>GSL</u>	Sheet No.
Project FY 95S EEAP - FT.	Job No. <u>94015</u>	<u>1 OF 1</u>

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER

BLDG. NO.

2577

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

AIR HANDLERS

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AH-1	MULTIZONE	—	3	—	—
AH-2	MULTIZONE	—	5	—	—
AH-3	SZ	—	1	—	—
AH-4	MZ	—	5	2	—
AH-5	SZ	—	1	—	—
AH-6	SZ	—	1	—	—
AH-7	SZ	—	1	—	—

NOTES:

AH-1 SERVES STAB BAR & COCKTAIL WUNGE - HAS FICE & BYPASS DAMPERS,
2 REHEAT COILS - 10 TOTAL POINTS

AH-4 HAS SUPPLY & RETURN FAN 10 & 3 HP

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING PUMP	ON/OFF	TEMP
CW-1	20	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
1600	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 2577

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		RETAINED PRESSURE
				LW.T.	O.A.T.	
<u>B-1</u>	<u>N.G. STEAM</u>	<u>3350</u>	<u>150</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			MINIMUM	MAXIMUM W/WATER	ON/OFF	TEMP
<u>P-2</u>	<u>2</u>	_____	<input checked="" type="checkbox"/> O.A.	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/> RESET	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS RETAINED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

STEAM - HW HX FOR HEAT

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: DINING FACILITY BLDG. NO. 3717
 OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER DINING

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>DINING</u>	<u>6</u>	<u>7</u>
<u>KITCHEN</u>	<u>16</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 15 - STAFF
100 - DINERS

GENERAL COMMENTS:
3721 IS SAME
4061 " "

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GGL	Sheet No.
		Job No.	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER BLDG. NO. 3717

AIR HANDLERS

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T. <small>POSITION</small>	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZERS
11 EV-1	S.Z. HT. ONLY			—	—
11 EV-2	S.Z. HT. ONLY			—	—
HVAC-1	SINGLE ZONE FACTORY			—	—
HVAC-2	"			—	—
HVAC-3	"			—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

NOTES:
 8 EXHAUST FANS @ 10 HP ON ROOF
 13 EXHAUST FANS @ 5 HP ON ROOF

CHILLERS/CONDENSING UNITS - NONE

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
NONE	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME:

BLDG. NO. 3725

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 200,000 SF NO. OF FLOORS 3

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 250

GENERAL COMMENTS:

3713, 3766, 3754, 4038, 4028,
4057, 4067 ARE SIMILAR

TWO PIPE FAN COILS IN EACH BARRACKS ROOM
DUAL TEMP FAN IN CRCH BLDG.

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GSL	Sheet No.
		Job No.	1 OF 1
		9401	

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SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: COMBAT HQ BLOG. NO. 3759
 OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>8</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:
 3755, 4013, 4017 ARE IDENTICAL
 3680, 3686, 4062, 4068
 ? , 4054, 4029, 3767 ARE SIMILAR

Title EOD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
	Prepared By GGL	
Project FY 955 EEAP - FT.	Job No. 94013	Sheet No. 1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER BLDG. NO. 3759

AIR HANDLERS

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
<u>MZ-1</u>	<u>MULTIZONE</u>	<u>1</u>	<u>3</u>	<u>---</u>	<u>---</u>
<u>MZ-2</u>	<u>"</u>	<u>1</u>	<u>3</u>	<u>---</u>	<u>---</u>
<u>MZ-3</u>	<u>"</u>	<u>1</u>	<u>3</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

NOTES:

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
<u>NONE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. UNIT	ON/OFF	TEMP
<u>CUWP-1</u>	<u>7.5</u>	<u>---</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>2</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 3759

<u>BOILER DESIGNATION</u>	<u>TYPE</u>	<u>MBTU/HR</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>RELIEVED PRESSURE</u>
				<u>L.W.T.</u>	<u>O.A.T.</u>	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PR.</u>	<u>PUMP CONTROL</u>		<u>CONTROL POINTS</u>	
			<u>MANUAL</u>	<u>ON/OFF W/WATER</u>	<u>ON/OFF</u>	<u>TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES: STEAM FROM CENTRAL PLANT

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBTU/HR</u>	<u>CONTROL ON/OFF</u>	<u>CONTROL POINTS TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

<u>Title</u>	<u>Checked By</u>	<u>Date</u>
	<u>Prepared By</u>	
<u>Project</u>	<u>Job No.</u>	<u>Sheet No.</u>

BUILDING NAME:

BLDG. NO. 3763

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 30,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>8</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

4021, 4025 ARE SIMILAR

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Project	FY 95S EEAP - FT.	<u>GBL</u>	Sheet No.
		Job No. <u>94015</u>	<u>1 OF 1</u>

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM TYPE: DX CHILLED WATER BLDG. NO. 3713

AIR HANDLERS HEATING TYPE HW STEAM ELECTRIC
CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
<u>MZ-1</u>	<u>MULTI-TANK</u>	<u>1</u>	<u>6</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

NOTES: FROM CENTRAL CW PLANT

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
<u>NONE</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSATE TEMP	ON/OFF	TEMP
<u>CW-P</u>	<u>2</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>

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SYSTEMS Corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM TYPE: DX CHILLED WATER BLDG. NO. 3902

AIR HANDLERS HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED O.A.T. ECONOMIZER

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. ECONOMIZER
NONE	CENTRAL PLANT				

NOTES: THIS IS THE
 - CENTRAL BOILER & CHILLER PLANT
 - MAIN DIST. POINT FOR FUEL OIL #2, NO MONITORING AT PRESENT
 HAS CONCRETE BERM AROUND 1,000,000 GALLON TANK

CHILLERS/CONDENSING UNITS

DESIGNATION	TONS	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
				ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH-2	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CH-3	800	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSATE PUMP	ON/OFF	TEMP
CH-1, 2 & 3	40	(3) PRIMARY PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-27, 29, 30, 32	60	(4) SECONDARY PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-1, 2, 3	60	(3) ZONE PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		
P-24, 25, 26	100	(3) COND. WATER PUMPS	<input type="checkbox"/>	<input type="checkbox"/>		

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SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM TYPE: HW STEAM ELECTRIC BLDG. NO. | 3902

BOILER DESIGNATION	TYPE	LB M ³ /HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE	STEAM FLOW
				LW.T.	O.A.T.		
B-1	GAS	15000	100 PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X
B-2	"	15000	"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X
B-3	"	15000	"	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PUMPS - HW FEEDWATER

DESIGNATION	HP	DISCH. PT.	PRESSURE CONTROL		CONTROL POINTS	
			MINIMUM	MAXIMUM	START	STOP
P-16, 17	40	2 PUMPS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER METERS

DESIGNATION	SIZE - HP/KW	M ³ /HR	CONTROL		CONTROL POINTS	
			START	STOP	TEMP	_____
(2) AIR COMPRESSORS	15 HP	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

NOTES:

- BAILEY DIRECT MASS FLOWMETER ON EACH BOILER
- USE 1 POINT ON BOTH COMPRESSORS

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SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: TISA

BLDG. NO. 5207

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 170,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
OFFICE	8-5	5
WAREHOUSE	8-5	5
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 20

GENERAL COMMENTS:

- 5210 IS SAME ABOUT 1/2 SQUARE FOOTAGE OF THIS BLDG.
- 5202 IS COLD STORAGE SAME SQ. FOOTAGE

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Project	FY 95S EEAP - FT.	GSL	Sheet No.
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SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER

BLDG. NO. 5207

AIR HANDLERS

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. ECONOMIZER
<u>CU-1</u>	<u>AH UNIT</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

NOTES:

- COOLING FOR OFFICE AREA ONLY
- CHILLER IS AT 5210 - SERVES SMALL OFFICE AREAS OF 5210 & 5207

CHILLERS/CONDENSING UNITS

DESIGNATION

CHILLER

COND. UNIT

CONTROL POINTS REQUIRED

ENTER. TEMP

LEAVING TEMP

SPACE TEMP

<u>CU-1</u>	<input checked="" type="checkbox"/> AIR COOL	<input type="checkbox"/> 60 TONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION

HP

DISCH. PRESS.

PRESENT CONTROL

OFF W/ CHILLER/TONnage TEMP

CONTROL POINTS REQUIRED

ON/OFF

TEMP

<u>P-1</u>	<u>3</u>	<u> </u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<u> </u>	<u> </u>

Title

Checked By

Date

Prepared By

Project

Job No.

Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BLOG. NO. 207

BOILER HEATING SYSTEM TYPE: HW STEAM ELECTRIC

BOILER DESIGNATION	TYPE	MBH/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>2 BOILERS</u>	<u>GAS</u>	<u>2343 MBH</u>	<u>30#</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS REQUIRED	
			PRESSURE	ON/OFF W/POWER	ON/OFF	TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
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Project	Job No.	Sheet No.

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: TAYLOR DENTAL CLINIC

BLOG. NO. 5580

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER MEDICAL

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>10</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

Title EOD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
	Prepared By GGL	Sheet No.
Project FY 95S EEAP - FT.	Job No. 92212	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: LGE COMMUNITY CENTER

BLOG. NO. = 1601

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>10</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 10-100

GENERAL COMMENTS:

CURRENTLY THE MAJORITY OF THE BUILDING IS UNDER RENOVATION.

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GGL	Sheet No.
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COOLING SYSTEM TYPE: DX CHILLED WATER BLDG. NO. 5661

AIR HANDLERS HEATING TYPE HW STEAM ELECTRIC
CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
AH-1	MULTI-ZONE		3		
AH-2	" "		3		
AH-3	SINGLE ZONE		1		
AH-4	SINGLE ZONE		1		

- NOTES:
- AH-3 WAS H & V NOW HAS CHILLED WATER
 - SIMULTANEOUS HEATING & COOLING POSSIBLE - BOTH COOL & HOT PUMP (5 HP) (2 HP)
 - NEW N.G. BOILER - 2:2 MBH - HW

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> MR COND	100 TONS <input type="checkbox"/> 4 COMPRESSORS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSATE PUMP	ON/OFF	TEMP
P-1	10		<input checked="" type="checkbox"/>	<input type="checkbox"/>	+	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: ¹¹⁴⁵ MANN THEATRE ¹⁰⁰⁰ MARY TAYLOR BLDG. NO. 5740
CENTER

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>MAN</u>	<u>10</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

- ON ENCS
- 2 CHILLERS 45 TONS EACH
 - 10 HP PUMP
- 2 AHU'S - 10,000 CFM EACH 10 HP FANS

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GGL	Sheet No.
		Job No. 94017	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: WYOMING RECREATION CTR.

BLDG. NO. 6145

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 7000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER STUCCO & GYPSUM FRAME

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>1130-2200 M-F</u>	<u>5</u>
<u>ALL</u>	<u>1300-2000 S,S</u>	<u>2</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 70

GENERAL COMMENTS:

- BUILT IN 1974
- FORMERLY ENLISTED MEN'S SERVICE CLUB

Title ECD SURVEY FORM

GENERAL BUILDING DATA

Project FY 95S EEAP - FT.

Checked By

Date

Prepared By

GBL

Sheet No.

Job No.

94011

1 OF 1

COOLING SYSTEM

TYPE: DX CHILLED WATER BLDG. NO. 6145

HEATING TYPE HW STEAM ELECTRIC

AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
<u>AC-1</u>	<u>ROOF TOP UNIT</u>	<u>7.5 DEGREE</u>	<u>3</u>	<u>---</u>	<u>---</u>
<u>AC-2</u>	<u>C.V. ROOFTOP W/ FACE EXHAUSTS</u>	<u>---</u>	<u>1 + 2</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

NOTES:

- EMCS CONTROL OF CHILLERS, AHU, PUMPS ARE ALL ON LOCAL
- EXISTING CONTROLS ARE PNEUMATIC
- ⁴ FAN COIL UNITS ALSO IN BUILDING (TWO-PIPE)
- AC-2 HAS R.A. ^{SPRING IN SPACE} ~~CONTROL~~ FOR MODULATING FEE & BYPASS

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
<u>CH-1</u>	<input checked="" type="checkbox"/> 55 TONS	<input type="checkbox"/> AIR COOLED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>CH-2</u>	<input checked="" type="checkbox"/> 55 TONS	<input type="checkbox"/> " "	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF W/ CHILLER/COND. UNIT	ON/OFF	TEMP
<u>CW-1</u>	<u>7.5</u>	<u>---</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>2</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>
<u>---</u>	<u>---</u>	<u>---</u>	<input type="checkbox"/>	<input type="checkbox"/>	<u>---</u>	<u>---</u>

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 6145

<u>BOILER DESIGNATION</u>	<u>TYPE</u>	<u>MBTU/HZ</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>REQUIRED PRESSURE</u>
				<u>LW.T.</u>	<u>O.A.T.</u>	
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. FE.</u>	<u>PRESENT CONTROL</u>		<u>CONTROL POINTS</u>	
			<u>MANUAL</u>	<u>ON/OFF W/BOILER</u>	<u>ON/OFF</u>	<u>TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES: STEAM FROM EXISTING PLANT TO HX FOR HW HEATING

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBTU/HZ</u>	<u>CONTROL ON/OFF</u>	<u>POINTS REQUIRED TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

<u>Title</u>	<u>Checked By</u>	<u>Date</u>
	<u>Prepared By</u>	
<u>Project</u>	<u>Job No.</u>	<u>Sheet No.</u>

BUILDING NAME: HEADQUARTERS BLDG. NO. 6254
 OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 1000 SF NO. OF FLOORS 3

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>6-6</u>	<u>5</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

6901 SIMILAR

Title	ECD SURVEY FORM	Checked By	Date
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GGL

94013

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER

BLDG. NO. 7254

AIR HANDLERS

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOTES:
 - 2 PIPE FAN COILS IN SPACES - NO AHU'S
 - VAVLES COMMON MICROLOGIC CONTROLS

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	4 TON AIR COIL <input checked="" type="checkbox"/> SPLIT SYSTEM 2 COMPRESSORS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
DWP-1	1	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLOG. NO. 075

BOILER DESIGNATION	TYPE	MBH/KW	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>B-1</u>	<u>R.G.</u>	<u>200,000</u> <u>50,000</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FLUE GAS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			MAXIMUM	MINIMUM	ON/OFF	TIME
<u>DIP-1</u>	<u>5</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A.</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>RESET</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>		_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>		_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/KW	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: COMMUNICATIONS BLDG.

BLOG. NO. 6390

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER

GROSS FLOOR AREA: 8000 SF NO. OF FLOORS 1

CONSTRUCTION: 4" BRICK MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
ALL	12	5
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

BUILT IN 1984

Title EOD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
	Prepared By GBL	Sheet No.
Project FY 95S EEAP - FT.	Job No. 94017	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

<u>COOLING SYSTEM</u>		TYPE: <input checked="" type="checkbox"/> DX <input type="checkbox"/> CHILLED WATER		BLDG. NO.	6390
<u>AIR HANDLERS</u>		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		<u>CONTROL POINTS REQUIRED</u>	
<u>DESIGNATION</u>	<u>TYPE</u>	<u>S.A.T.</u>	<u>ZONE TEMP.</u>	<u>STATIC PRESS</u>	<u>O.A.T. ECONOMIZER</u>
AC-1	MULTI-OUT	10 HP	5	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

- NOTES:
- EXISTING CONTROLS, DAMPER REGULATORS ARE BRUNNEN-SOLMAN ELECTRIC 1984 MANUFACTURE
 - FAN RUNS CONTINUOUSLY
 - NO EMCS IN BLDG.

CHILLERS/CONDENSING UNITS

<u>DESIGNATION</u>	<u>CHILLER</u>	<u>COND. UNIT</u>	<u>CONTROL POINTS REQUIRED</u>		
			<u>ENTER. TEMP</u>	<u>LEAVING TEMP</u>	<u>SPACE TEMP</u>
ACCU-1	<input type="checkbox"/>	<input checked="" type="checkbox"/> 25 TONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PRESS.</u>	<u>PRESENT CONTROL</u>		<u>CONTROL POINTS REQUIRED</u>	
			<u>MANUAL</u>	<u>OFF w/ CHILLER/CONDENSING UNIT</u>	<u>ON/OFF</u>	<u>TEMP</u>
NA	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---

Title	Checked By	Date
	Prepared By	Sheet No.
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SYSTEMS Corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLOG. No. | 6390

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
B-1	GAS	500,000 ^{BTU} / _{HR}	200 °F	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		START/STOP POINTS	
			ON/OFF	ON/OFF W/RESET	TEMP	TIME
HWP-1	1 1/2	_____	<input type="checkbox"/>	<input checked="" type="checkbox"/> O.A. RESET	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/ACW	MBTU/HR	CONTROL ON/OFF	POINT/TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: RESEARCH BUILDING BLOG. NO. 6551
 OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>24</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

- SMILT IN 1980
- SIMULATORS NOT ON EMCS
 - OCCUPANTS & DPW DO NOT WANT ON EMCS
 - WILL MONITOR SPACE TEMP, AND CW TEMPS ONLY
HW
 - & EQUIPMENT STATUS WITH START/STOP CAPABILITY

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GGL	Sheet No.
		Job No. 9401	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER	BLDG. NO.
AIR HANDLERS		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC	
DESIGNATION	TYPE	S.A.T.	CONTROL POINTS REQUIRED
S-1	VAV-INTA VAVS	1 ± 1	1 ± 1
S-2	VAV-INTA VAVS	1 ± 1	1 ± 1
S-3	CONST. VA RETURN	1 ± 1	
S-4	"	1 ± 1	
S-5	"	1 (NO HW)	

NOTES: - CONTROLS ARE IN MANUAL

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
C-1	<input checked="" type="checkbox"/> WESTINGHOUSE	<input type="checkbox"/> CONDENSING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C-2	<input checked="" type="checkbox"/> WESTINGHOUSE	<input type="checkbox"/> CONDENSING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/TOWER PUMP	ON/OFF	TEMP
CHILLED P-1	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CHILLED P-2	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CONDENSING P-1	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CONDENSING P-2	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 4031

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>3-1</u>	<u>HW</u>	<u>2327 MBTU</u>	<u>1-55</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			SYSTEM	ON/OFF W/BY	OUTPUT	TEMP
<u>HW P-1</u>	<u>3</u>	_____	<input type="checkbox"/>	<input type="checkbox"/> O.A.	<u>1</u>	<u>2</u>
<u>HW P-2</u>	<u>3</u>	_____	<input type="checkbox"/>	<input type="checkbox"/> RESET	<u>1</u>	<u>2</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/> CONTROL	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/> ON	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/> HEAT EXCH.	_____	_____

NOTES:

STEAM - HW BY FOR HEATING SYSTEM
STEAM SET POINT 150°F

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/RT	MBTU/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: TOGIA

BLOG. NO. 2551

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: _____ SF NO. OF FLOORS _____

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: _____

GENERAL COMMENTS:

- SAME AS 2551
- EXCEPT FOR THE AREA
- AREA ACC 1357688
- BUILT IN 1984

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	Sheet No.
Project	FY 955 EEAP - FT.	Job No.	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER		BLDG. NO.
AIR HANDLERS		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		
DESIGNATION	TYPE	S.A.T.	CONTROL POINTS REQUIRED	O.A.T. ECONOMIZER
TCP-S-1	M.Z.R.H.		3 (2 R.O.H. + 1 R.H.)	
S-2	M.Z.R.H.		3 (1 R.O.H. + 2 R.H.)	
S-3	M.Z.R.H.		2 + 2 R.H.	
S-4	M.M.Z.		2 + 1 R.H.	
S-5	S.Z.R.H.		1 + 1 R.H.	

NOTES:

2 Humidifiers on S-5 (2 Room Hum. Sensors)
 No Humidifier on S-4 (Return Air Hum. Sensor only)
 1 " ON S-5 (1 Room Hum. Sensor)

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CH-2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/COND. TEMP	ON/OFF	TEMP
CH P-1	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CH P-2	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CW P-3	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
CW P-4	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLOG. NO. 6355

BOILER DESIGNATION	TYPE	MBTU/HZ	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>B-1</u>	<u>GAS/OIL</u>	<u>2367</u>	<u>10-#</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			SYSTEM	DESIGN W/BY	DESIGN	TEMP
<u>HWP-1</u>	<u>3</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A. RESET</u>	<u>2</u>
<u>HWP-2</u>	<u>3</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>ON HW</u>	<u>2</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>HX</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBTU/HZ	CONTROL ON/OFF	TEMP REQUIRED
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: FLIGHT SIM

BLDG. NO. 6539

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 50,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>24</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 40

GENERAL COMMENTS:

1985 BUILDING

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No.	1 OF 1
		94013	

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

<u>COOLING SYSTEM</u>		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER	BLDG. NO.	6559
<u>AIR HANDLERS</u>		HEATING TYPE <input type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC	<u>CONTROL POINTS REQUIRED</u>	
DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS
CH-1		60 TDW	—	—
CH-2		60 TDW	—	—
ACCU-2		42 TDW	—	—
LIEBERT UNIT DX		10 TDW DX	—	—
		3 SECT CONTROL	—	—
			—	—
			—	—
			—	—
			—	—

NOTES:

PNEUMATIC CONTROLS

AHUs
CHILLERS/CONDENSING UNITS

DESIGNATION	SZ RH CHILLER	HUMIDIFIER COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
AH-1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-2	<input type="checkbox"/> MZRH	<input checked="" type="checkbox"/> 1 HUMIDIFIER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/> 2 TEMP ZONES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-4	<input type="checkbox"/> SZ COOLING	<input type="checkbox"/> ONLY WITH SPACE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AH-3	<input type="checkbox"/> MZRH	<input type="checkbox"/> 5 ZONES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	MANUAL CONTROL	CONTROL POINTS REQUIRED	
				ON/OFF	TEMP
CHP-1	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2
CHP-2	7.5		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2
CWP-1	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2
CWP-2	10		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STRAM ELECTRIC

BLDG. NO. | 6559

<u>BOILER DESIGNATION</u>	<u>TYPE</u>	<u>MBH/HZ</u>	<u>TEMP/PRESS</u>	<u>CONTROL POINTS</u>		<u>RETAINED PRESSURE</u>
				<u>LW.T.</u>	<u>O.A.T.</u>	
<u>B-1</u>	<u>GR/DL</u>	<u>2500</u>	<u>10#</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PR.</u>	<u>PRESSURE CONTROL</u>		<u>START/STOP POINTS</u>	
			<u>SYSTEM</u>	<u>DISCH W/PRESS</u>	<u>ON/OFF</u>	<u>TEMP</u>
<u>HW-1</u>	<u>3</u>	_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>O.A. RESET</u>	_____
<u>HW-2</u>	<u>3</u>	_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>ON HW</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>HX</u>	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

<u>DESIGNATION</u>	<u>SIZE - HP/KW</u>	<u>MBH/HZ</u>	<u>CONTROL ON/OFF</u>	<u>POINTS REQUIRED TEMP</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

HYDRAULIC PUMPING UNIT

NOTES: MOTOR - 130 GPM 1200 PSI 100 HP

GENERATOR - 98 GPM 1000 PSI 7.5 HP

PREPARED BY: _____

<u>Title</u>	<u>Checked By</u>	<u>Date</u>
	<u>Prepared By</u>	
<u>Project</u>	<u>Job No.</u>	<u>Sheet No.</u>

BUILDING NAME: SPARE HELIPORT

BLOG. NO. 6628

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 100,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>24</u>	<u>7</u>
<u>WAREHOUSE</u>	<u>24</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No. 94017	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

<u>COOLING SYSTEM</u>		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER		BLDG. NO.	6628
<u>AIR HANDLERS</u>		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		<u>CONTROL POINTS REQUIRED</u>	
<u>DESIGNATION</u>	<u>TYPE</u>	<u>S.A.T.</u>	<u>ZONE TEMP.</u>	<u>STATIC PRESS</u>	<u>O.A.T. ECONOMIZER</u>
AC-1	2 PIPE	---	---	---	---
AC-2	---	---	---	---	---
AC-3	---	---	---	---	---
AC-4	---	---	---	---	---
AC-5	---	---	---	---	---
AC-6	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---

NOTES:

- ALSO HAS UPS STATUS ON ^{EXISTING} LINES

CHILLERS/CONDENSING UNITS

<u>DESIGNATION</u>	<u>CHILLER</u>	<u>COND. UNIT</u>	<u>CONTROL POINTS REQUIRED</u>		
			<u>ENTER. TEMP</u>	<u>LEAVING TEMP</u>	<u>SPACE TEMP</u>
CH-1	<input checked="" type="checkbox"/> GORTON	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/> AIR COOLED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PRESS.</u>	<u>PRESENT CONTROL</u>		<u>CONTROL POINTS REQUIRED</u>	
			<u>MANUAL</u>	<u>OFF w/ CHILLER/CONDENSING UNIT</u>	<u>ON/OFF</u>	<u>TEMP</u>
DIP	7 1/2	---	<input checked="" type="checkbox"/>	<input type="checkbox"/>	+	2
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BLOG. NO. 6628

BOILER HEATING SYSTEM

TYPE: HW Steam Electric

BOILER DESIGNATION	TYPE	MBH/HZ	TEMP/PRESS	CONTROL POINTS		RETAINED PRESSURE
				LW.T.	O.A.T.	
<u>B-1</u>	<u>Furn Oil</u>	<u>2660 MBH</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		CONTROL POINTS	
			Pressure	ON/OFF W/WATER	Pressure	TEMP
<u>HWP-1</u>	<u>Domestic HW</u> <u>7 1/2</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>1</u>	<u>2</u>
_____	<u>RECIRC</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBH/AIR	CONTROL		CONTROL POINTS	
			ON/OFF	TEMP	TEMP	TEMP
<u>AIR COMP.</u>	<u>30 HP</u>	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>		
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>		
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME:

BLOG. NO. 6920

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 15,000 SF NO. OF FLOORS 3

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>8-5</u>	<u>5</u>
<u>BARRACKS</u>	<u>6-6</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	<u>GSL</u>	Sheet No.
		Job No.	<u>1 OF 1</u>

94213

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM TYPE: DX CHILLED WATER BLDG. NO. 6920

AIR HANDLERS HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS.	O.A.T. ELANOMIZED
NA					

NOTES:

- TWO-PIPE FAN COIL UNITS IN EACH ROOM
- SERVED BY CENTRAL PLANT CW & STEAM HX FOR HOT WATER HEATING

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/STEAM TRIP	ON/OFF	TEMP
DUAL TRIP PUMP	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

~~BOILER~~
HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. | 6720

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		RETAINED PRESSURE
				L.W.T.	O.A.T.	
HEAT EXCHANGER	STEAM-HW			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			INSTANT	DIFF. W/BYDGR	ON/OFF	TEMP
HWP	7.5		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	2
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME:

BLOG. NO. 6929

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 15,000 SF NO. OF FLOORS 3

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>8-5</u>	<u>5</u>
<u>BARRACKS</u>	<u>6-4</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

- ALL HAMMERSHEAD BARRACKS ARE SIMILAR TO THIS BLOG. # 6920
- ONLY 14 OF BARRACKS HAVE ABSORPTION CHILLERS AND BOILERS LOCATED IN THEM, BUT ALL ARE SERVED BY THEM.

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GSL	Sheet No.
		Job No. 94312	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM TYPE: DX CHILLED WATER BLDG. NO. 6929

AIR HANDLERS HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOTES: - TWO PIPE FAN COIL UNITS IN EACH ROOM

No condenser fan's etc. - HX FOR HW HEATING provided on this model to allow for some requirements.

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
CH-1	<input checked="" type="checkbox"/> Absorber	<input type="checkbox"/> CARTRIDGE 16JB010-734	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSATE WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSATE PUMP	ON/OFF	TEMP
(2) COND. WATER PUMPS	15	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS COMP

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. | 6929

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
B-1, 2 & 3	N.G. Steam	3350 MBH (100 HP)	25 PSI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 OF 3 ARE RUNNING - PROVIDE DOM. H.W. TO BARRACKS IN AREA

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		CONTROL POINTS	
			ON/OFF	ON/OFF W/BOILER	ON/OFF	TEMP
DUAL TEMP HW - CW	7.5	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
" "	15	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS CONTROLLED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: 1 ATAMA TOWER

BLOG. NO. 6992

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER GYM

GROSS FLOOR AREA: 12,200 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>All</u>	<u>12 (9-9)</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

1/2 GYM - 20'5" HIGH CEILING

1/2 GYM - 2' x 2' x 2' CUBING

Title EOD SURVEY FORM GENERAL BUILDING DATA	Checked By	Date
	Prepared By <u>GBL</u>	
Project FY 95S EEAP - FT.	Job No. <u>92013</u>	Sheet No. <u>1 OF 1</u>

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER BLDG. NO. 6992

HEATING TYPE: HW STEAM ELECTRIC

AIR HANDLERS

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
MA-1	SMALL UNIT		4		
MA-2	SMALL UNIT		3		
HA-1	SMALL UNIT		1		
HA-2					

NOTES:

- EXISTING DRAIN REGULATORS ARE INCOMPLETE IN COOL SHIP
- ROOMS ARE ONLY CURRENTLY ON LOCAL
- MA-2 NOT RUNNING

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
COND.-1	RTON <input type="checkbox"/>	<input checked="" type="checkbox"/> PACKAGED UNIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/ROOM UNIT	ON/OFF	TEMP
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS Corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM TYPE: HW STEAM ELECTRIC BLOG. NO. 699Z

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REQUIRED PRESSURE
				LW.T.	O.A.T.	
<u>Bo 1</u>	<u>CAS</u>	<u>2.0 IN</u> <u>1.6 OUT</u>	<u>200 °F</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		CONTROL POINTS	
			MANUAL	ON/OFF W/BOILER	TEMP	TIME
<u>HW-1</u>	<u>2</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>O.A. RESET</u>	<u>2</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 1008

BOILER DESIGNATION	TYPE	MBH/HR	TEMP/PRESS	CONTROL POINTS		
				L.W.T.	O.A.T.	RETAINED PRESSURE
B-1	STEAM	25106	100 #	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-2	"	(750 HP) all 3 are same size		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
B-3	"	" "		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESENT CONTROL		STARTED RUNS	
			PRESENT	START W/BLOCK	STARTS	TEMP
2 Boiler FW	25		<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	4
1 Boiler Elec.	3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KV	MBH/HR	CONTROL	STARTS	TEMP
AIR COMPRESSOR	15 HP		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
" "	7.5 HP		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME:

BLOG. NO. 7112

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 10,000 SF NO. OF FLOORS 3

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12 (6-6)</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 150

GENERAL COMMENTS:

7110 → SAME AS THIS BUILDING
 & 7112, 7120

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GSL	Sheet No.
		Job No. 94213	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input type="checkbox"/> DX <input checked="" type="checkbox"/> CHILLED WATER			BLDG. NO.
AIR HANDLERS		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC			
DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NOTES:

- 2-PIPE FAN COILS IN EACH ROOM
- STEAM FROM CENTRAL PLANT FOR HEAT

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPECIF TEMP
CH-1	<input checked="" type="checkbox"/> 40 TON	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING UNIT	ON/OFF	TEMP
CHWP-1	5	_____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

SYSTEMS_{corp}

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME:

BLOG. NO.

7251
~~7524~~

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>12</u>	<u>6</u>
<u>HANGAR</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 30

GENERAL COMMENTS:

- 8' MASONRY, METAL PANEL ABOVE

- 7243, 7249, 7245 ARE SAME

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	GBL	Sheet No.
		Job No. 92017	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM		TYPE: <input checked="" type="checkbox"/> DX <input type="checkbox"/> CHILLED WATER		BLDG. NO.	
AIR HANDLERS		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC			
DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
8 AHU's	ROOFTOP S.E.			—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

- NOTES:
- BUILDING IS PERMITTED
 - 6 AHU'S SERVE HANGAR - HW HEAT ONLY
 - 2 AHU'S SERVE OFFICE AREA
 - ALL AHU'S ARE ELECTRONIC CONTROLS

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/CONDENSING TEMP	ON/OFF	TEMP
NA	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. 7251

BOILER DESIGNATION

TYPE

MBTU/HR

TEMP/PRESS

CONTROL POINTS

REQUIRED

B-1

HW

3.0

LW.T.

O.A.T.

PRESSURE

PUMPS - HW

DESIGNATION

HP

DISCH. PT.

PRESSURE CONTROL

CONTROL POINTS

P-1

2

RESET

ON/OFF

TEMP

O.A. TEMP

1

2

RESET

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION

SIZE - HP/KW

MBTU/HR

CONTROL

POINTS REQUIRED

Air COMPRESSOR

2 ^{MOTORS} 70 HP EACH

ON/OFF

TEMP

NOTES:

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BUILDING NAME: LINDGREN HANGAR

BLOG. NO. 7264

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER _____

GROSS FLOOR AREA: 100,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRTE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>OFFICE</u>	<u>12</u>	<u>6</u>
<u>HANGAR</u>	<u>12</u>	<u>6</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 50

GENERAL COMMENTS:

7262 OWENS HANGAR } PREWIRED
 7268 ALEXANDER HANGAR } DITTO 7264
 7272 JONES HANGAR }

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	Sheet No.
Project	FY 95S EEAP - FT.	Job No.	1 OF 1

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

<u>COOLING SYSTEM</u>		TYPE: <input checked="" type="checkbox"/> DX <input type="checkbox"/> CHILLED WATER		BLDG. NO. 7264	
<u>AIR HANDLERS</u>		HEATING TYPE <input checked="" type="checkbox"/> HW <input type="checkbox"/> STEAM <input type="checkbox"/> ELECTRIC		<u>CONTROL POINTS REQUIRED</u>	
<u>DESIGNATION</u>	<u>TYPE</u>	<u>S.A.T.</u>	<u>ZONE TEMP.</u>	<u>STATIC PRESS</u>	<u>O.A.T. ECONOMIZER</u>
AHU-1	VAV-BYPASS	1	ZO	---	---
AHU-2	HEV	1	LEACH	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
---	---	---	---	---	---
NOTES;					

<u>CHILLERS/CONDENSING UNITS</u>			<u>CONTROL POINTS REQUIRED</u>		
<u>DESIGNATION</u>	<u>CHILLER</u>	<u>COND. UNIT</u>	<u>ENTER. TEMP</u>	<u>LEAVING TEMP</u>	<u>SPACE TEMP</u>
CU-1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
---	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<u>PUMPS - CHILLED WATER & CONDENSER WATER</u>			<u>PRESENT CONTROL</u>		<u>CONTROL POINTS REQUIRED</u>	
<u>DESIGNATION</u>	<u>HP</u>	<u>DISCH. PRESS.</u>	<u>MANUAL</u>	<u>OFF w/ CHILLER/CONDENSER UNIT</u>	<u>ON/OFF</u>	<u>TEMP</u>
NA	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---
---	---	---	<input type="checkbox"/>	<input type="checkbox"/>	---	---

<u>Title</u>	<u>Checked By</u>	<u>Date</u>
	<u>Prepared By</u>	<u>Sheet No.</u>
<u>Project</u>	<u>Job No.</u>	

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLDG. NO. | 7264

BOILER DESIGNATION	TYPE	MBTU/HR	TEMP/PRESS	CONTROL POINTS		REGAILED PRESSURE
				LW.T.	O.A.T.	
<u>P-1</u>	<u>N.G</u>	<u>6300 MBTU</u>	<u>HW</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - HW

DESIGNATION	HP	DISCH. PR.	PRESSURE CONTROL		CONTROL POINTS	
			REGAILED	ON/OFF W/BYPASS	TEMP	TIME
<u>P-1</u>	<u>3</u>	_____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>+</u>	<u>2</u>
<u>P-2</u>	<u>2</u>	_____	<input type="checkbox"/>	<input type="checkbox"/>	<u>+</u>	<u>2</u>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATERS

DESIGNATION	SIZE - HP/KW	MBTU/HR	CONTROL ON/OFF	POINTS REQUIRED TEMP
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>

NOTES:

Title	Checked By	Date
	Prepared By	Sheet No.
Project	Job No.	

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

BUILDING NAME: C-PROJECTS BLDG SYSTEMS CORP BLOG. NO. 5540

OCCUPANCY TYPE: OFFICE BARRACKS WAREHOUSE HANGAR
 VEHICLE MAINT. CLASSROOM OTHER GYM

GROSS FLOOR AREA: 20,000 SF NO. OF FLOORS 1

CONSTRUCTION: MASONRY CONCRETE WOOD FRAME METAL FRAME
 OTHER _____

HOURS OF OCCUPANCY:

AREA	HRS/DAY	DAYS/WK
<u>ALL</u>	<u>12</u>	<u>7</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ESTIMATED NO. OF OCCUPANTS: 20

GENERAL COMMENTS:

Title	ECD SURVEY FORM	Checked By	Date
	GENERAL BUILDING DATA	Prepared By	
Project	FY 95S EEAP - FT.	<u>GBL</u>	Sheet No.
		Job No. <u>94013</u>	<u>1 OF 1</u>

SYSTEMS corp

SYSTEMS ENGINEERING AND MANAGEMENT CORPORATION

COOLING SYSTEM

TYPE: DX CHILLED WATER

BLDG. NO. 7540

AIR HANDLERS

HEATING TYPE HW STEAM ELECTRIC

CONTROL POINTS REQUIRED

DESIGNATION	TYPE	S.A.T.	ZONE TEMP.	STATIC PRESS	O.A.T. ECONOMIZER
HV-1	S.Z.	5 HP		—	—
HV-2	S.Z.	3 HP		—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

NOTES:

No cooling

CHILLERS/CONDENSING UNITS

DESIGNATION	CHILLER	COND. UNIT	CONTROL POINTS REQUIRED		
			ENTER. TEMP	LEAVING TEMP	SPACE TEMP
NA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
—	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PUMPS - CHILLED WATER & CONDENSING WATER

DESIGNATION	HP	DISCH. PRESS.	PRESENT CONTROL		CONTROL POINTS REQUIRED	
			MANUAL	OFF w/ CHILLER/TOUR TEMP	ON/OFF	TEMP
NA	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—
—	—	—	<input type="checkbox"/>	<input type="checkbox"/>	—	—

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

BOILER HEATING SYSTEM

TYPE: HW STEAM ELECTRIC

BLOG. NO. | 7540

BOILER DESIGNATION

TYPE

BTU/HZ

TEMP/PRESS

CONTROL POINTS

REQUIRED

B-1

Gas

2,000,000

15#

LW.T.

O.A.T.

PRESSURE

PUMPS - HW

DESIGNATION

HP

DISCH. PR.

PRESENT CONTROL

Pressure

ON/OFF W/PRESS

CONTROL POINTS

Pressure

TEMP

NA

NOTES:

OTHER EQUIPMENT - COMPRESSORS, PUMPS, WATER HEATING

DESIGNATION

SIZE - HP/KW

INCH. JIP

CONTROL

ON/OFF

POINTS REQUIRED

TEMP

NOTES:

Title

Checked By

Date

Project

Prepared By

Sheet No.

Job No.

RED RIVER PUMPING STATION

3 PUMPS

1 @ 450 HP

1 @ 250 HP

1 @ 100 HP

2300 V / 3

"

"

PH / 60 Hz = 99 AMPS

= 58 AMPS

= 23 AMPS

3 Checks
1780 RPM He ^{is} ~~is~~ ^{not} ~~not~~ ^{checked} ~~checked~~
He amp?!

INCOMING PHONE LINE EXISTS BUT IS DISCONNECTED

FINELY NEW STARTERS FOR ALL 3

ALL 3
ARE SAME

SQUARE D CLASS 898 AC CONTROLLER

TYPE RCR1 MODEL Z SERIES A

2300 LINE VOLTS 200 MAX. AMPS

120 CONTROL VOLT

MVA. SYM. 210

HORIZ. BUS RATING 1000 AMPS

- 4 ELEC. UNIT HEATERS

Title	Checked By	Date
	Prepared By	
Project	Job No.	Sheet No.

EMCS

ALL POINTS SUMMARY

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1 38	MZ-1	S/S STATUS	ON				
2 38	MZ-1		ON				
3 38	MZ-1					73.4 DEG F	
4 38	MZ-1					46.1 % RH	
5 38	CH-1	E/D STATUS	LOCAL				
6 38	CH-1	CHWP S/S	OFF				
7 38	CH-1	CHWP STATUS	ON				
8 38	CH-1	RESET #1	ON				
9 38	CH-1	RESET #2	LOCAL				
10 38	CH-1	RESET #3	LOCAL				
11 38	CH-1						
12 38	CH-1						
13 38	CH-1						
14 38	B-1	E/D STATUS	LOCAL				
15 38	B-1		ON				
16 89	MZ-1	S/S STATUS	ON	NO COMM			
17 89	MZ-1		OFF	NO COMM			
18 89	MZ-1					53.9 DEG F	
19 89	DX UNIT	E/D STATUS	OFF	NO COMM			
20 89	DX UNIT		OFF	NO COMM			
21 89	B-1	E/D STATUS	LOCAL				
22 89	B-1	HWP 1 S/S	OFF	NO COMM			
23 89	B-1	HWP 1 STATUS	ON	NO COMM			
24 89	B-1	HWP 2 STATUS	ON	NO COMM			
25 89	B-1		ON	NO COMM			
26 91	MZ-1	S/S STATUS	ON				
27 91	MZ-1		ON				
28 91	MZ-1					62.9 DEG F	DISABLE
29 91	HCHW SYSTEM	CH-1 E/D	OFF				
30 91	HCHW SYSTEM	CH-1 STATUS	OFF				
31 91	HCHW SYSTEM	CHW RESET #1	LOCAL				
32 91	HCHW SYSTEM	CHW RESET #2	LOCAL				
33 91	HCHW SYSTEM	CWP STATUS	OFF				
34 91	HCHW SYSTEM	CWF STATUS	OFF				
35 91	HCHW SYSTEM	B-1 E/D	LOCAL				
36 91	HCHW SYSTEM	B-1 STATUS	OFF				
37 91	HCHW SYSTEM	DTP S/S	ON				
38 91	HCHW SYSTEM	DTP STATUS	ON				
39 91	HCHW SYSTEM						
40 91	HCHW SYSTEM						
41 91	HCHW SYSTEM						
42 91	HCHW SYSTEM						
43 91	HCHW SYSTEM						
44 93	AH-1	S/S STATUS	ON	NO COMM			
45 93	AH-1		OFF	NO COMM			
46 93	AH-1					85.1 DEG F	NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
47 93	AIR SYS	S/S STATUS	ON	NO COMM			
48 93	AIR SYS	S/S STATUS	OFF	NO COMM			
49 93	CHILLERS	CH-1 E/D	LOCAL	NO COMM			
50 93	CHILLERS	CH-1 STATUS	OFF	NO COMM			
51 93	CHILLERS	CH-1 RESET #1	LOCAL	NO COMM			
52 93	CHILLERS	CH-1 RESET #2	LOCAL	NO COMM			
53 93	CHILLERS	CH-1 RESET #3	LOCAL	NO COMM			
54 93	CHILLERS	CH-2 E/D	LOCAL	NO COMM			
55 93	CHILLERS	CH-2 STATUS	OFF	NO COMM			
56 93	CHILLERS	CH-2 RESET #1	LOCAL	DISABLE			
57 93	CHILLERS	CH-2 RESET #2	LOCAL	DISABLE			
58 93	CHILLERS	CH-2 RESET #3	LOCAL	DISABLE			
59 93	CHILLERS	CHWP S/S	ON	NO COMM			
60 93	CHILLERS	CHWP STATUS	OFF	NO COMM			
61 93	CHILLERS	CHWP STATUS	OFF	NO COMM			
62 5702	DX UNIT				CHWS 1 TEMP	32.2	DEG F NO COMM
63 93	CHILLERS				COMP STAGE	0.0	NO COMM
64 93	B-1	E/D STATUS	OFF	NO COMM			
65 93	B-1	E/D STATUS	OFF	NO COMM			
66 96	AH-1	S/S STATUS	ON	NO COMM			
67 96	AH-1	S/S STATUS	OFF	NO COMM			
68 96	AH-1	S/S STATUS	OFF	NO COMM			
69 96	DX UNIT	E/D STATUS	OFF	NO COMM			
70 96	DX UNIT	E/D STATUS	OFF	NO COMM			
71 2577	AH-1	S/S STATUS	ON	ALARM			
72 2577	AH-1	S/S STATUS	OFF	ALARM			
73 2577	AH-1	S/S STATUS	OFF	ALARM			
74 2577	AH-2	S/S STATUS	ON	ALARM			
75 2577	AH-2	S/S STATUS	ON	ALARM			
76 2577	AH-2	S/S STATUS	ON	ALARM			
77 2577	AH-3	S/S STATUS	ON	ALARM			
78 2577	AH-3	S/S STATUS	OFF	ALARM			
79 2577	AH-3	S/S STATUS	OFF	ALARM			
80 2577	AH-4	S/S STATUS	ON	DISABLE			
81 2577	AH-4	S/S STATUS	OFF	DISABLE			
82 2577	AH-4	RAF STATUS	OFF	DISABLE			
83 2577	AH-4	DAY	DAY	DISABLE			
84 2577	AH-4	NIGHT	DAY	DISABLE			
85 2577	AH-4	NIGHT	DAY	DISABLE			
86 2577	AH-6	S/S STATUS	ON	DISABLE			
87 2577	AH-6	S/S STATUS	OFF	DISABLE			
88 2577	AH-6	S/S STATUS	OFF	DISABLE			
					CHWS 1 TEMP	32.2	DEG F NO COMM
					COMP STAGE	0.0	NO COMM
					CHWR TEMP	76.3	DEG F NO COMM
					RA TEMP	76.5	DEG F NO COMM
					RA TEMP	71.7	DEG F
					RA TEMP	68.0	DEG F
					RA TEMP	69.9	DEG F
					RA TEMP	75.4	DEG F
					RA TEMP	69.0	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
89	AH-7	S/S STATUS	ON				
90	AH-7		ON				
91	AH-7				RA TEMP	66.6	DEG F
92	HV-1	S/S STATUS	ON				
93	HV-1		OFF	DISABLE	RA TEMP	62.7	DEG F
94	HV-1						
95	CH-1	E/D STATUS #1	OFF				
96	CH-1	CHWP S/S	OFF				
97	CH-1	CHWP STATUS	ON	ALARM			
98	CH-1	STATUS #2	OFF				
99	CH-1	STATUS #3	OFF				
100	CH-1		OFF		CHWS TEMP	82.4	DEG F
101	CH-1				CHWR TEMP	82.2	DEG F
102	CH-1						
103	B-1	RFE	OFF				
104	HCHW SYSTEM				SYS PRESS	41.2	PSI
105	HCHW SYSTEM				SYS PRESS	39.6	PSI
106	HCHW SYSTEM				STEAM ENERGY	-0.1	KLBSM
107	HCHW SYSTEM					-169.0	KBTUM
108	CH-1	STATUS #4	OFF				
109	HCHW SYSTEM				ENTHALPY	1173.9	BTU/LE
110	CH-1	STATUS #5	OFF				
111	HCHW SYSTEM				SYS PRESS	35.6	PSI
112	HCHW SYSTEM				SYS PRESS	39.7	PSI
113	HCHW SYSTEM				SYS PRESS	37.3	PSI
114	HCHW SYSTEM				SYS PRESS	39.8	PSI
115	HCHW SYSTEM				SYS PRESS	36.0	PSI
116	B-1	E/D STATUS	LOCAL				
117	B-1		INTR				
118	AC-1	S/S STATUS	ON	NO COMM			
119	AC-1	C-1 E/D	OFF	DISABLE			
120	AC-1	C-1 STATUS	LOCAL	NO COMM			
121	AC-1		OFF	NO COMM			
122	AC-1				RA TEMP	121.4	DEG F
123	AC-2	S/S STATUS	ON	NO COMM			
124	AC-2	C-1 E/D	OFF	DISABLE			
125	AC-2		LOCAL	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
126	AC-2	C-1 STATUS	OFF	NO COMM	RA TEMP	123.2	DEG F NO COMM
127	AC-2						
128	AC-3	S/S STATUS	ON	NO COMM			
129	AC-3	STATUS	OFF	NO COMM			
130	AC-3	C-1 E/D	LOCAL	NO COMM			
131	AC-3	C-1 STATUS	OFF	NO COMM			
132	AC-3				RA TEMP	121.8	DEG F NO COMM
133	AC-4	S/S STATUS	ON	NO COMM			
134	AC-4	STATUS	OFF	NO COMM			
135	AC-4	C-1 E/D	LOCAL	NO COMM			
136	AC-4	C-1 STATUS	OFF	NO COMM			
137	AC-4				RA TEMP	120.7	DEG F NO COMM
138	HV-1	S/S STATUS	ON	NO COMM			
139	HV-1	STATUS	OFF	DISABLE			
140	B-1	E/D STATUS	LOCAL	NO COMM			
141	B-1	STATUS	OFF	NO COMM			
142	AC-1	S/S STATUS	ON	ALARM			
143	AC-1	STATUS	OFF				
144	CH-1	E/D	OFF		SP TEMP	69.9	DEG F
145	AC-1						
146	CH-1	STATUS	OFF				
147	B-1	E/D STATUS	LOCAL				
148	B-1	STATUS	OFF				
149	B-1	HWP S/S	ON				
150	B-1	HWP STATUS	ON				
151	CH-1	S/S STATUS	OFF		CHWS TEMP	57.9	DEG F
152	CH-1	STATUS	OFF		CHWR TEMP	53.1	DEG F
153	CH-1	CHWP S/S	OFF		CWS TEMP	57.1	DEG F
154	CH-1	CHWP STATUS	OFF		CWR TEMP	56.3	DEG F
155	CH-1	CWP STATUS	OFF		CW RESET	-10.0	DEG F
156	CH-1	CIF STATUS	OFF				
157	CH-1						
158	CH-1						
159	CH-1						
160	CH-1						
161	CH-1						
162	CH-2	S/S STATUS	OFF				
163	CH-2	STATUS	OFF				
164	CH-2	CHWP S/S	OFF				
165	CH-2	CHWP STATUS	OFF				
166	CH-2	CWP STATUS	OFF				
167	CH-2	CIF STATUS	OFF				
168	CH-2				CHWS TEMP	60.1	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
169 3902	CH-2				CHWR TEMP	54.3	DEG F
170 3902	CH-2				CWS TEMP	58.1	DEG F
171 3902	CH-2				CWR TEMP	59.7	DEG F
172 3902	CH-2				CW RESET	-10.0	DEG F
173 3902	CH-3	S/S	OFF				
174 3902	CH-3	STATUS	OFF				
175 3902	CH-3	CHWP S/S	OFF				
176 3902	CH-3	CWP STATUS	OFF				
177 3902	CH-3	CWF STATUS	OFF				
178 3902	CH-3	CTF STATUS	OFF				
179 3902	CH-3				CHWS TEMP	70.7	DEG F
180 3902	CH-3				CHWR TEMP	32.0	DEG F
181 3902	CH-3				CWS TEMP	58.1	DEG F
182 3902	CH-3				CWR TEMP	57.9	DEG F
183 3902	CH-3				CW RESET	-10.0	DEG F
184 4013	MZ-1	S/S	ON	NO COMM			NO COMM
185 4013	MZ-1	STATUS	ON	NO COMM			NO COMM
186 4013	MZ-1				SP TEMP	207.8	DEG F
187 4013	CHW PUMP	S/S	OFF	NO COMM			
188 4013	CHW PUMP	STATUS	OFF	NO COMM			
189 4025	MZ-1	S/S	ON				
190 4025	MZ-1	STATUS	ON				
191 4025	MZ-1				RA TEMP	80.9	DEG F
192 4025	CHW PUMP	S/S	OFF				
193 4025	CHW PUMP	STATUS	OFF				
194 4028	WATER PUMP	S/S	ON	NO COMM			
195 4028	WATER PUMP	STATUS	ON	NO COMM			
196 4038	WATER PUMP	S/S	ON	NO COMM			
197 4038	WATER PUMP	STATUS	ON	DISABLE			
198 4039	WATER PUMP	S/S	ON	NO COMM			
199 4039	WATER PUMP	STATUS	ON	NO COMM			
200 4053	WATER PUMP	S/S	ON	NO COMM			
201 4053	WATER PUMP	STATUS	ON	NO COMM			
202 4061	AH-1	S/S	ON	NO COMM			
203 4061	AH-1	STATUS	OFF	NO COMM			
204 4061	AH-1				RA TEMP	75.0	DEG F
205 4061	AH-2	S/S	ON	NO COMM			
206 4061	AH-2	STATUS	ON	NO COMM			
207 4061	AH-2				RA TEMP	40.6	DEG F
208 4061	AH-3	S/S	ON	NO COMM			
209 4061	AH-3	STATUS	OFF	NO COMM			
210 4061	AH-3				RA TEMP	32.2	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
211 4061	HV-1	S/S STATUS	ON	NO COMM			
212 4061	HV-1		OFF	NO COMM			
213 4061	HV-2	S/S STATUS	ON	NO COMM			
214 4061	HV-2		OFF	DISABLE			
215 4061	HV-3	S/S STATUS	ON	NO COMM			
216 4061	HV-3		OFF	NO COMM			
217 5580	AH-1	S/S STATUS	ON	NO COMM			
218 5580	AH-1		ON	NO COMM			
219 5580	AH-1	RAE STATUS	ON	NO COMM			
220 5580	AH-1		ON	NO COMM			
221 5580	CH-1	STATUS	OFF	NO COMM			
222 5580	CH-1	CHWP S/S	OFF	NO COMM			
223 5580	CH-1	CHWP STATUS	ON	NO COMM			
224 5580	CH-1	RESET #1	LOCAL	NO COMM			
225 5580	CH-1	RESET #2	LOCAL	NO COMM			
226 5580	CH-1	RESET #3	LOCAL	NO COMM			
227 5580	CH-1						
228 5580	CH-1						
229 5580	B-1	E/D STATUS	OFF	NO COMM			
230 5580	B-1		OFF	NO COMM			
231 5580	B-1	HWP S/S	OFF	NO COMM			
232 5580	B-1	HWP STATUS	OFF	NO COMM			
233 5661	AH-1	S/S STATUS	ON	NO COMM			
234 5661	AH-1		ON	NO COMM			
235 5661	AH-1						
236 5661	AH-2	S/S STATUS	ON	NO COMM			
237 5661	AH-2		ON	NO COMM			
238 5661	AH-2						
239 5661	AH-3	S/S STATUS	ON	NO COMM			
240 5661	AH-3		ON	NO COMM			
241 5661	AH-3						
242 5661	AH-4	S/S STATUS	ON	NO COMM			
243 5661	AH-4		ON	NO COMM			
244 5661	AH-4						
245 5661	CHILLERS	COMP #1	OFF	NO COMM			
246 5661	CHILLERS	COMP #2	ON	NO COMM			
247 5661	CHILLERS	CHWP S/S	OFF	NO COMM			
248 5661	CHILLERS	CHWP STATUS	OFF	DISABLE			
249 5661	CHILLERS	COMP #3	OFF	NO COMM			
250 5661	CHILLERS	COMP #4	OFF	NO COMM			
251 5661	CHILLERS	RESET #3	LOCAL	DISABLE			
252 5661	CHILLERS						
253 5661	CHILLERS						
					SP TEMP	68.0 DEG F	NO COMM
					CHWS TEMP	103.8 DEG F	NO COMM
					CHWR TEMP	114.1 DEG F	NO COMM
					RA TEMP	69.0 DEG F	NO COMM
					RA TEMP	73.0 DEG F	NO COMM
					RA TEMP	76.1 DEG F	NO COMM
					RA TEMP	65.6 DEG F	NO COMM
					CHWS TEMP	76.9 DEG F	NO COMM
					CHWR TEMP	77.5 DEG F	NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
254 5661	R-1	E/D	LOCAL	NO COMM			
255 5661	R-1	STATUS	ON	NO COMM			
256 5661	R-1	HWP S/S	ON	NO COMM			
257 5661	R-1	HWP STATUS	ON	NO COMM			
258 5663	AH-1	S/S	ON	NO COMM			
259 5663	AH-1	STATUS	OFF	DISABLE	61.3	DEG F	NO COMM
260 5663	AH-1						
261 5663	DX UNIT	E/D	OFF	NO COMM			
262 5663	DX UNIT	C-1 STATUS	OFF	NO COMM			
263 5663	DX UNIT	C-2 STATUS	OFF	NO COMM			
264 6929	HCHW SYSTEM						
265 5663	R-1	E/D	LOCAL	NO COMM			
266 5663	R-1	STATUS	OFF	NO COMM			
267 5702	AH-1	S/S	OFF	NO COMM			
268 5702	AH-1	STATUS	ON	NO COMM			
269 5702	AH-1				32.2	DEG F	NO COMM
270 5702	DX UNIT	STATUS	OFF	NO COMM			
271 5702	DX UNIT	E/D	OFF	NO COMM			
272 5702	DX UNIT				0.0	NONE	NO COMM
273 5702	DX UNIT	C-1 STATUS	OFF	NO COMM			
274 5702	DX UNIT	C-2 STATUS	OFF	NO COMM			
275 7206	HW PUMP						
276 7210	HW PUMP						
277 6936	HCHW SYSTEM						
278 6938	HCHW SYSTEM						
279 6944	HCHW SYSTEM						
280 5702	DX UNIT						
281 5702	B-1	E/D	OFF	NO COMM			
282 5702	B-1	STATUS	ON	NO COMM			
283 5702	B-1	HWP S/S	OFF	NO COMM			
284 5702	B-1	HWP STATUS	OFF	DISABLE			
285 5740	AH-1	S/S	ON				
286 5740	AH-1	STATUS	ON				
287 5740	AH-1						
288 5740	PROJ AH	S/S	ON				
289 5740	PROJ AH	STATUS	OFF	ALARM	71.3	DEG F	
290 5740	CHILLERS	CH-1 STATUS	OFF				
291 5740	CHILLERS	CHWP S/S	ON				

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
292 5740	CHILLERS	CHWP STATUS	ON	DISABLE			
293 5740	CHILLERS	CH-1 RESET #1	LOCAL	DISABLE			
294 5740	CHILLERS	CH-1 RESET #2	LOCAL				
295 5740	CHILLERS	CH-2 RESET #1	LOCAL				
296 5740	CHILLERS	CH-2 RESET #2	LOCAL				
297 5740	CHILLERS				CHWS TEMP	35.2	DEG F ALARM
298 5740	CHILLERS				CHWR TEMP	40.8	DEG F ALARM
299 5875	AH-1	S/S	ON	NO COMM			
300 5875	AH-1	STATUS	ON	NO COMM			
301 5875	AH-1				SP TEMP	73.6	DEG F NO COMM
302 5875	MZ-1	S/S	ON	NO COMM			
303 5875	MZ-1	STATUS	ON	NO COMM			
304 5875	DX UNIT 1	DX-1 E/D	OFF	NO COMM			
305 5875	DX UNIT 2	DX-2 E/D	OFF	NO COMM			
306 5875	DX UNIT 1	DX-1 STATUS	OFF	NO COMM			
307 5875	DX UNIT 2	DX-2 STATUS	OFF	NO COMM			
308 5980	AH-1	S/S	ON	NO COMM			
309 5980	AH-1	STATUS	OFF	NO COMM			
310 5980	MZ-1	S/S	ON	NO COMM			
311 5980	MZ-1	STATUS	ON	NO COMM			
312 5980	MZ-1				RA TEMP	64.7	DEG F NO COMM
313 5980	CH-1	E/D	OFF	NO COMM			
314 5980	CH-1	STATUS #1	OFF	NO COMM			
315 5980	CH-1	CHWP STATUS	ON	DISABLE			
316 5980	CH-1	OFF CHWP STA	ON	NO COMM			
317 5980	CH-1	OR CHWP STA	OFF	NO COMM			
318 5980	CH-1	STATUS #2	OFF	NO COMM			
320 5980	CH-1	CHWP S/S	OFF	DISABLE			
321 5980	CH-1	OFF CHWP S/S	OFF	DISABLE			
322 5980	CH-1	OR CHWP S/S	OFF	DISABLE			
323 5980	HW PUMP	HWP-1 S/S	ON	NO COMM			
324 5980	CH-1				CHWS TEMP	32.0	DEG F DISABLE
325 5980	CH-1				CHWR TEMP	32.2	DEG F DISABLE
329 5980	HW PUMP	HWP-2 S/S	OFF	DISABLE			
330 5980	HW PUMP	HWP-1 STATUS	ON	NO COMM			
331 5980	HW PUMP	HWP-2 STATUS	ON	NO COMM			
332 6145	AC-1	S/S	ON	NO COMM			
333 6145	AC-1	STATUS	ON	NO COMM			
334 6145	AC-1				RA TEMP	77.5	DEG F NO COMM
335 6145	AC-2	S/S	ON	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
336	AC-2	STATUS	ON	NO COMM	RA TEMP	75.9	DEG F NO COMM
337	AC-2	CH-1 STATUS	OFF	NO COMM			
338	CHILLERS	CH-2 STATUS	OFF	NO COMM			
339	CHILLERS	CHWP E/D	OFF	NO COMM			
340	CHILLERS	CHWP STATUS	ON	NO COMM			
341	CHILLERS	RFE #1	OFF	NO COMM			
342	CHILLERS	RFE #2	OFF	NO COMM			
343	CHILLERS	CH-2 RESET	OFF	DISABLE			
344	CHILLERS	RFE #4	OFF	NO COMM			
345	CHILLERS				CHWS TEMP	71.1	DEG F NO COMM
346	CHILLERS				CHWR TEMP	71.9	DEG F NO COMM
347	CHILLERS				CHW RESET	-10.0	DEG F NO COMM
348	CHILLERS						
349	HW PUMP	S/S STATUS	ON	NO COMM			
350	HW PUMP	S/S STATUS	ON	NO COMM			
351	HV-1	S/S STATUS	ON	NO COMM			
352	HV-1	S/S STATUS	OFF	DISABLE			
353	HV-1	S/S STATUS			SP TEMP	64.3	DEG F NO COMM
354	HV-2	S/S STATUS	ON	NO COMM			
355	HV-2	S/S STATUS	ON	NO COMM			
356	HV-3	S/S STATUS	ON	NO COMM			
357	HV-3	S/S STATUS	ON	NO COMM			
358	HV-4	S/S STATUS	ON	NO COMM			
359	HV-4	S/S STATUS	OFF	DISABLE			
360	HV-5	S/S STATUS	ON	NO COMM			
361	HV-5	S/S STATUS	OFF	NO COMM			
362	HV-6	S/S STATUS	ON	NO COMM			
363	HV-6	S/S STATUS	OFF	NO COMM			
364	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
365	HCHW SYSTEM	DIP S/S	ON	NO COMM			
366	HCHW SYSTEM	DTP STATUS	ON	NO COMM			
367	HCHW SYSTEM	RESET #1	LOCAL	NO COMM			
368	HCHW SYSTEM	RESET #2	LOCAL	DISABLE			
369	HCHW SYSTEM	RESET #3	LOCAL	DISABLE			
370	HCHW SYSTEM	R-1 E/D	LOCAL	NO COMM			
371	HCHW SYSTEM	R-1 STATUS	ON	NO COMM			
372	HCHW SYSTEM	HWP S/S	ON	NO COMM			
373	HCHW SYSTEM	HWP STATUS	ON	NO COMM			
374	HCHW SYSTEM				CHWS TEMP	68.6	DEG F NO COMM
375	HCHW SYSTEM				CHWR TEMP	67.6	DEG F NO COMM
376	DT PUMP	S/S STATUS	ON				
377	DT PUMP	S/S STATUS	ON				
378	DT PUMP	S/S STATUS	ON				

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
379	6710	DT PUMP	ON				
380	6711	HCHW SYSTEM	OFF				
381	6711	HCHW SYSTEM	OFF				
382	6711	CHWP-1 S/S	OFF				
383	6711	CHWP-1 STATUS	OFF	DISABLE			
384	6711	CHWP-2 S/S	OFF				
385	6711	CHWP-2 STATUS	OFF				
386	6711	CWP-1 S/S	OFF				
387	6711	CWP-1 STATUS	OFF				
388	6711	CWP-2 S/S	OFF				
389	6711	CWP-2 STATUS	OFF				
390	6711	CIF-1 S/S	OFF				
391	6711	CIF-1 STATUS	OFF				
392	6711	B-1 E/D	LOCAL				
393	6711	B-1 STATUS	OFF				
394	6711	B-2 E/D	LOCAL				
395	6711	B-2 STATUS	ON				
396	6711	B-3 E/D	LOCAL				
397	6711	B-3 STATUS	ON				
398	6711	DTP S/S	ON				
399	6711	DTP STATUS	ON				
400	6711	HCHW SYSTEM				67.6	DEG F
401	6711	HCHW SYSTEM				70.7	DEG F
402	6711	HCHW SYSTEM				72.7	DEG F
403	6711	HCHW SYSTEM				72.5	DEG F
404	6711	HCHW SYSTEM				0.0	DEG F
405	6712	DT PUMP	ON				
406	6712	DT PUMP	ON				
407	6718	HCHW SYSTEM	OFF				
408	6718	HCHW SYSTEM	OFF				
409	6718	CHWP-1 S/S	OFF				
410	6718	CHWP-1 STATUS	OFF				
411	6718	REE	OFF				
412	6718	REE-2	OFF				
413	6718	CWP-1 S/S	OFF				
414	6718	CWP-1 STATUS	OFF				
415	6718	REE-3	OFF				
416	6718	REE-4	OFF				
417	6718	CIF STATUS	OFF				
418	6718	B-1 E/D	LOCAL				
419	6718	B-1 STATUS	ON				
420	6718	B-2 E/D	LOCAL				
421	6718	B-2 STATUS	ON				
422	6718	DTP S/S	ON				
423	6718	DTP STATUS	ON				
424	6718	HCHW SYSTEM				59.7	DEG F
425	6718	HCHW SYSTEM				59.3	DEG F
426	6718	HCHW SYSTEM				65.2	DEG F
427	6718	HCHW SYSTEM				31.6	DEG F
428	6718	HCHW SYSTEM				0.0	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
429	DT PUMP	S/S STATUS	ON				
430	DT PUMP		ON				
431	AH-1	S/S STATUS	ON	NO COMM			
432	AH-1		OFF	NO COMM			
433	AH-1				SP TEMP	76.5	DEG F NO COMM
434	CH-1	E/D STATUS	OFF	NO COMM			
435	CH-1	STATUS	OFF	NO COMM			
436	CH-1	CHWP S/S	ON	NO COMM			
437	CH-1	CHWP STATUS	OFF	NO COMM			
438	CH-1	RESET #1	LOCAL	NO COMM			
439	CH-1	RESET #2	LOCAL	DISABLE			
440	CH-1	RESET #3	LOCAL	DISABLE			
441	CH-1				CHWS TEMP	116.1	DEG F NO COMM
442	CH-1				CHWR TEMP	91.6	DEG F NO COMM
443	DT PUMP	S/S STATUS	ON	NO COMM			
444	DT PUMP		ON	NO COMM			
445	HCHW SYSTEM	CH-1 S/S	OFF				
446	HCHW SYSTEM	CH-1 STATUS	OFF				
447	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
448	HCHW SYSTEM	CHWP-1 STATUS	OFF				
449	HCHW SYSTEM	CHWP-2 S/S	OFF				
450	HCHW SYSTEM	CHWP-2 STATUS	OFF				
451	HCHW SYSTEM	CWP-1 S/S	OFF				
452	HCHW SYSTEM	CWP-1 STATUS	OFF				
453	HCHW SYSTEM	CWP-2 S/S	OFF				
454	HCHW SYSTEM	CWP-2 STATUS	OFF				
455	HCHW SYSTEM	CIF-1 S/S	OFF				
456	HCHW SYSTEM	CIF-1 STATUS	OFF				
457	HCHW SYSTEM	CIF-2 S/S	OFF				
458	HCHW SYSTEM	CIF-2 STATUS	OFF				
459	HCHW SYSTEM	R-1 E/D	LOCAL				
460	HCHW SYSTEM	R-1 STATUS	OFF				
461	HCHW SYSTEM	R-2 E/D	LOCAL				
462	HCHW SYSTEM	R-2 STATUS	OFF				
463	HCHW SYSTEM	R-3 E/D	LOCAL				
464	HCHW SYSTEM	R-3 STATUS	ON				
465	HCHW SYSTEM	DTP S/S	ON				
466	HCHW SYSTEM	DTP STATUS	ON				
467	HCHW SYSTEM				CHWS TEMP	66.8	DEG F
468	HCHW SYSTEM				CHWR TEMP	71.1	DEG F
469	HCHW SYSTEM				CWS TEMP	70.1	DEG F
470	DT PUMP	S/S STATUS	ON				
471	DT PUMP		ON				
472	DT PUMP	S/S STATUS	ON	NO COMM			
473	DT PUMP		ON	NO COMM			
474	DT PUMP	S/S STATUS	OFF	NO COMM			
475	DT PUMP		ON	NO COMM			
476	HCHW SYSTEM				CHWS TEMP	76.5	DEG F
477	HCHW SYSTEM				CHWR TEMP	91.6	DEG F
478	HCHW SYSTEM				CWS TEMP	70.1	DEG F
479	HCHW SYSTEM				CW RESET	0.0	DEG F

BLDG#	UNIT	DIGITAL FT	SIATE	STATUS	ANALOG FT	VALUE	STATUS
476	DT PUMP	S/S	ON				
477	DI PUMP	STATUS	ON				
478	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
479	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
480	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
481	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
482	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
483	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
484	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
485	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
486	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
487	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
488	HCHW SYSTEM	CTP-1 STATUS	OFF	NO COMM			
489	HCHW SYSTEM	CTP-2 STATUS	OFF	NO COMM			
490	HCHW SYSTEM	R-1 E/D	LOCAL	NO COMM			
491	HCHW SYSTEM	R-1 STATUS	ON	NO COMM			
492	HCHW SYSTEM	R-2 E/D	LOCAL	NO COMM			
493	HCHW SYSTEM	R-2 STATUS	OFF	NO COMM			
494	HCHW SYSTEM	R-3 E/D	LOCAL	NO COMM			
495	HCHW SYSTEM	R-3 STATUS	ON	NO COMM			
496	HCHW SYSTEM	DTP S/S	ON	NO COMM			
497	HCHW SYSTEM	DTP STATUS	ON	NO COMM			
498	HCHW SYSTEM			CHWS TEMP	64.9	DEG F	NO COMM
499	HCHW SYSTEM			CHWR TEMP	66.0	DEG F	NO COMM
500	HCHW SYSTEM			CWS TEMP	68.2	DEG F	NO COMM
501	HCHW SYSTEM			CWR TEMP	85.6	DEG F	NO COMM
502	HCHW SYSTEM			CW RESET	0.0	DEG F	NO COMM
503	DT PUMP	S/S	ON				
504	DI PUMP	STATUS	OFF				
505	HCHW SYSTEM	CH-1 S/S	OFF				
506	HCHW SYSTEM	CH-1 STATUS	OFF				
507	HCHW SYSTEM	CHWP-1 S/S	OFF				
508	HCHW SYSTEM	CHWP-1 STATUS	OFF				
509	WEATHER					42.1	DEG F
510	WEATHER					30.9	% RH
511	HCHW SYSTEM	CWP-1 S/S	OFF				
512	HCHW SYSTEM	CWP-1 STATUS	OFF				
515	HCHW SYSTEM	CTE STATUS	OFF				
516	HCHW SYSTEM	R-1 E/D	LOCAL				
517	HCHW SYSTEM	R-1 STATUS	ON				
518	HCHW SYSTEM	R-2 E/D	LOCAL				
519	HCHW SYSTEM	R-2 STATUS	ON				
520	HCHW SYSTEM	DTP S/S	ON				
521	HCHW SYSTEM	DTP STATUS	ON				
523	HCHW SYSTEM			CHWS TEMP	54.1	DEG F	NO COMM
524	HCHW SYSTEM			CHWR TEMP	55.3	DEG F	NO COMM
525	HCHW SYSTEM			CWS TEMP	57.7	DEG F	NO COMM
526	HCHW SYSTEM			CWR TEMP	64.5	DEG F	NO COMM
526	HCHW SYSTEM			CW RESET	0.0	DEG F	NO COMM

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
527	DT PUMP	S/S	ON	NO COMM			
528	DI PUMP	STATUS	ON	NO COMM			
529	HCHW SYSTEM	CH-1 S/S	OFF				
530	HCHW SYSTEM	CH-1 STATUS	OFF				
531	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
532	HCHW SYSTEM	CHWP-1 STATUS	OFF				
533	HCHW SYSTEM	CHWP-2 S/S	OFF				
534	HCHW SYSTEM	CHWP-2 STATUS	ON	ALARM			
535	HCHW SYSTEM	CWP-1 S/S	OFF				
536	HCHW SYSTEM	CWP-1 STATUS	OFF				
537	HCHW SYSTEM	CWP-2 S/S	OFF				
538	HCHW SYSTEM	CWP-2 STATUS	OFF	DISABLE			
539	HCHW SYSTEM	CWF-1 STATUS	OFF				
540	HCHW SYSTEM	CWF-1 STATUS	OFF				
541	HCHW SYSTEM	CWF-2 STATUS	OFF				
542	HCHW SYSTEM	B-1 E/D	LOCAL				
543	HCHW SYSTEM	B-1 STATUS	OFF				
544	HCHW SYSTEM	B-2 E/D	LOCAL				
545	HCHW SYSTEM	B-2 STATUS	OFF				
546	HCHW SYSTEM	B-3 E/D	LOCAL				
547	HCHW SYSTEM	B-3 STATUS	ON				
548	HCHW SYSTEM	DTP S/S	ON				
549	HCHW SYSTEM	DTP STATUS	ON				
550	HCHW SYSTEM						
551	HCHW SYSTEM				CHWS TEMP	64.9	DEG F
552	HCHW SYSTEM				CHWR TEMP	66.8	DEG F
553	HCHW SYSTEM				CWS TEMP	68.4	DEG F
554	DT PUMP	S/S	ON		CWR TEMP	76.7	DEG F
555	DT PUMP	STATUS	ON		CW RESET	0.0	DEG F
556	DT PUMP	S/S	ON				
557	DT PUMP	STATUS	ON				
558	DT PUMP	S/S	ON				
559	DT PUMP	STATUS	ON				
560	DT PUMP	S/S	ON	NO COMM			
561	DT PUMP	STATUS	ON	NO COMM			
562	HCHW SYSTEM	CH-1 S/S	OFF				
563	HCHW SYSTEM	CH-1 STATUS	OFF				
564	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
565	HCHW SYSTEM	CHWP-1 STATUS	OFF				
566	HCHW SYSTEM	CHWP-2 S/S	OFF				
567	HCHW SYSTEM	CHWP-2 STATUS	OFF	DISABLE			
568	HCHW SYSTEM	CWP-1 S/S	OFF				
569	HCHW SYSTEM	CWP-1 STATUS	OFF				
570	HCHW SYSTEM	CWP-2 S/S	OFF				
571	HCHW SYSTEM	CWP-2 STATUS	OFF				
572	HCHW SYSTEM	CWF-1 STATUS	OFF				
573	HCHW SYSTEM	CWF-1 STATUS	OFF				
574	HCHW SYSTEM	CWF-2 STATUS	OFF				
575	HCHW SYSTEM	B-1 E/D	LOCAL				

ELDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
575 6781	HCHW SYSTEM	B-1 STATUS	OFF				
576 6781	HCHW SYSTEM	B-2 E/D	LOCAL				
577 6781	HCHW SYSTEM	B-3 STATUS	ON				
578 6781	HCHW SYSTEM	B-3 E/D	LOCAL				
579 6781	HCHW SYSTEM	B-3 STATUS	OFF				
580 6781	HCHW SYSTEM	DTP S/S	ON				
581 6781	HCHW SYSTEM	DIP STATUS	ON				
582 6781	HCHW SYSTEM				CHWS TEMP	60.3	DEG F
583 6781	HCHW SYSTEM				CHWR TEMP	60.5	DEG F
584 6781	HCHW SYSTEM				CWS TEMP	61.9	DEG F
585 6781	HCHW SYSTEM				CWR TEMP	62.1	DEG F
586 6781	HCHW SYSTEM				CW RESET	0.0	DEG F
587 6782	DT PUMP	S/S	ON				
588 6782	DT PUMP	STATUS	ON				
589 6783	DT PUMP	S/S	ON				
590 6783	DT PUMP	STATUS	ON				
591 6909	DT PUMP	S/S	ON				
592 6909	DT PUMP	STATUS	ON				
593 6910	HCHW SYSTEM	CH-1 S/S	OFF				
594 6910	HCHW SYSTEM	CH-1 STATUS	OFF				
595 6910	HCHW SYSTEM	CHWP-1 S/S	OFF				
596 6910	HCHW SYSTEM	CHWP-1 STATUS	OFF	DISABLE			
597 6910	HCHW SYSTEM	CHWP-2 S/S	OFF				
598 6910	HCHW SYSTEM	CHWP-2 STATUS	OFF				
599 6910	HCHW SYSTEM	CWP-1 S/S	OFF				
600 6910	HCHW SYSTEM	CWP-1 STATUS	OFF				
601 6910	HCHW SYSTEM	CWP-2 S/S	OFF				
602 6910	HCHW SYSTEM	CWP-2 STATUS	OFF	DISABLE			
603 6910	HCHW SYSTEM	CTF-1 STATUS	OFF				
605 6910	HCHW SYSTEM	DTP S/S	ON				
606 6910	HCHW SYSTEM	DIP STATUS	ON				
607 6910	HCHW SYSTEM				CHWS TEMP	58.5	DEG F
608 6910	HCHW SYSTEM				CHWR TEMP	80.7	DEG F
609 6910	HCHW SYSTEM				CWS TEMP	59.3	DEG F
610 6910	HCHW SYSTEM				CWR TEMP	60.9	DEG F
611 6910	HCHW SYSTEM				CW RESET	0.0	DEG F
612 6911	DT PUMP	S/S	ON				
613 6911	DT PUMP	STATUS	ON				
614 6912	DT PUMP	S/S	ON				
615 6912	DT PUMP	STATUS	ON	NO COMM			
616 6917	DT PUMP	S/S	ON				
617 6917	DT PUMP	STATUS	ON	NO COMM			
618 6918	DT PUMP	S/S	ON				
619 6918	DT PUMP	STATUS	ON	NO COMM			
620 6919	DT PUMP	S/S	ON				

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
621	DT PUMP	STATUS	ON				
622	DT PUMP	S/S	ON	NO COMM			
623	DT PUMP	STATUS	ON	NO COMM			
624	DT PUMP	S/S	ON				
625	DT PUMP	STATUS	ON				
626	DT PUMP	S/S	ON				
627	DT PUMP	STATUS	ON				
628	DT PUMP	S/S	ON				
629	DT PUMP	STATUS	ON				
630	DT PUMP	S/S	ON				
631	DT PUMP	STATUS	ON				
632	DT PUMP	S/S	ON				
633	DT PUMP	STATUS	ON				
634	HCHW SYSTEM	CH-1 S/S	OFF				
635	HCHW SYSTEM	CH-1 STATUS	OFF				
636	HCHW SYSTEM	CHWP-1 S/S	OFF				
637	HCHW SYSTEM	CHWP-1 STATUS	OFF				
638	HCHW SYSTEM	CHWP-2 S/S	OFF				
639	HCHW SYSTEM	CHWP-2 STATUS	OFF				
640	HCHW SYSTEM	CWP-1 S/S	OFF				
641	HCHW SYSTEM	CWP-1 STATUS	OFF				
642	HCHW SYSTEM	CWP-2 S/S	OFF				
643	HCHW SYSTEM	CWP-2 STATUS	OFF				
644	HCHW SYSTEM	CIF-1 S/S	OFF				
645	HCHW SYSTEM	CIF-1 STATUS	OFF				
646	HCHW SYSTEM	CIF-2 S/S	OFF				
647	HCHW SYSTEM	CIF-2 STATUS	OFF				
648	HCHW SYSTEM	B-1 E/D	LOCAL				
649	HCHW SYSTEM	B-1 STATUS	ON				
650	HCHW SYSTEM	B-2 E/D	LOCAL				
651	HCHW SYSTEM	B-2 STATUS	ON				
652	HCHW SYSTEM	B-3 E/D	LOCAL				
653	HCHW SYSTEM	B-3 STATUS	OFF				
654	HCHW SYSTEM	DTP S/S	ON				
655	HCHW SYSTEM	DTP STATUS	ON				
656	HCHW SYSTEM					77.5	DEG F
657	HCHW SYSTEM					78.8	DEG F
658	HCHW SYSTEM					78.2	DEG F
659	DT PUMP	S/S	ON			71.7	DEG F
660	DT PUMP	STATUS	ON			0.0	DEG F
661	DT PUMP	S/S	ON				
662	DT PUMP	STATUS	ON				
663	HCHW SYSTEM	CH-1 S/S	OFF				
664	HCHW SYSTEM	CH-1 STATUS	OFF				

CHWS TEMP
 CHWR TEMP
 CWS TEMP
 CWR TEMP
 CW RESET

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
665	HCHW SYSTEM	CHWP-1 S/S	OFF				
666	HCHW SYSTEM	CHWP-1 STATUS	OFF				
667	HCHW SYSTEM	RFE	OFF				
668	HCHW SYSTEM	RFE-2	OFF				
669	HCHW SYSTEM	CWP-1 S/S	OFF				
670	HCHW SYSTEM	CWP-1 STATUS	OFF				
671	HCHW SYSTEM	RFE-3	OFF				
672	HCHW SYSTEM	RFE-4	OFF				
673	HCHW SYSTEM	CIE STATUS	OFF				
674	HCHW SYSTEM	B-1 E/D	LOCAL				
675	HCHW SYSTEM	B-1 STATUS	ON				
676	HCHW SYSTEM	B-2 E/D	LOCAL				
677	HCHW SYSTEM	B-2 STATUS	ON				
678	HCHW SYSTEM	DTP S/S	ON				
679	HCHW SYSTEM	DTP STATUS	ON				
680	HCHW SYSTEM				CHWS TEMP	79.4	NO COMM
681	HCHW SYSTEM				CHWR TEMP	66.0	DEG F
682	HCHW SYSTEM				CWS TEMP	39.1	DEG F
683	HCHW SYSTEM				CWR TEMP	86.2	DEG F
684	HCHW SYSTEM				CW RESET	0.0	DEG F
685	DT PUMP	S/S	ON				
686	DT PUMP	STATUS	ON				
687	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
688	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
689	HCHW SYSTEM	CHWP-1 S/S	OFF	DISABLE			
690	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
691	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
692	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
693	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
694	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
695	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
696	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
697	HCHW SYSTEM	CTF-1 S/S	OFF	NO COMM			
698	HCHW SYSTEM	CTF-1 STATUS	OFF	NO COMM			
699	HCHW SYSTEM	CTF-2 S/S	OFF	NO COMM			
700	HCHW SYSTEM	CTF-2 STATUS	LOCAL	NO COMM			
701	HCHW SYSTEM	B-1 E/D	OFF	NO COMM			
702	HCHW SYSTEM	B-2 E/D	LOCAL	NO COMM			
703	HCHW SYSTEM	B-2 STATUS	OFF	NO COMM			
704	HCHW SYSTEM	B-3 E/D	LOCAL	NO COMM			
705	HCHW SYSTEM	B-3 STATUS	OFF	NO COMM			
706	HCHW SYSTEM	DTP S/S	ON	NO COMM			
707	HCHW SYSTEM	DTP STATUS	OFF	NO COMM			
708	HCHW SYSTEM				CHWS TEMP	77.7	DEG F
709	HCHW SYSTEM				CHWR TEMP	78.0	DEG F
710	HCHW SYSTEM				CWS TEMP	75.2	DEG F
711	HCHW SYSTEM				CWR TEMP	84.5	DEG F
712	DT PUMP	S/S	ON				
713	DT PUMP	STATUS	ON				
714	DT PUMP	S/S	ON				

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
715 6940	DT PUMP	STATUS	ON				
716 6942	DT PUMP	S/S	ON				
717 6942	DT PUMP	STATUS	ON				
718 6943	DT PUMP	S/S	ON				
719 6943	DT PUMP	STATUS	ON				
720 6944	HCHW SYSTEM	CH-1 S/S	OFF	NO COMM			
721 6944	HCHW SYSTEM	CH-1 STATUS	OFF	NO COMM			
722 6944	HCHW SYSTEM	CHWP-1 S/S	OFF	NO COMM			
723 6944	HCHW SYSTEM	CHWP-1 STATUS	OFF	NO COMM			
724 6944	HCHW SYSTEM	CHWP-2 S/S	OFF	NO COMM			
725 6944	HCHW SYSTEM	CHWP-2 STATUS	OFF	NO COMM			
726 6944	HCHW SYSTEM	CWP-1 S/S	OFF	NO COMM			
727 6944	HCHW SYSTEM	CWP-1 STATUS	OFF	NO COMM			
728 6944	HCHW SYSTEM	CWP-2 S/S	OFF	NO COMM			
729 6944	HCHW SYSTEM	CWP-2 STATUS	OFF	NO COMM			
730 6944	HCHW SYSTEM	CTF-1 STATUS	OFF	NO COMM			
731 6944	HCHW SYSTEM	CTF-2 STATUS	OFF	NO COMM			
732 6944	HCHW SYSTEM	R-1 E/D	LOCAL	NO COMM			
733 6944	HCHW SYSTEM	R-1 STATUS	OFF	NO COMM			
734 6944	HCHW SYSTEM	R-2 E/D	LOCAL	NO COMM			
735 6944	HCHW SYSTEM	R-2 STATUS	OFF	NO COMM			
736 6944	HCHW SYSTEM	R-3 E/D	LOCAL	NO COMM			
737 6944	HCHW SYSTEM	R-3 STATUS	OFF	NO COMM			
738 6944	HCHW SYSTEM	DTP S/S	ON	NO COMM			
739 6944	HCHW SYSTEM	DTP STATUS	OFF	NO COMM			
740 6944	HCHW SYSTEM	S/S	ON	NO COMM			
741 6944	HCHW SYSTEM	STATUS	ON	NO COMM			
742 6944	HCHW SYSTEM	F/D	OFF	NO COMM			
743 6944	HCHW SYSTEM	STATUS	OFF	NO COMM			
744 6944	HCHW SYSTEM	STATUS	ON	NO COMM			
745 6945	DT PUMP	S/S	ON				
746 6945	DT PUMP	STATUS	ON				
747 7112	CH-1	F/D	OFF	NO COMM			
748 7112	CH-1	STATUS	OFF	NO COMM			
749 7112	CH-1	CHWP S/S	ON	NO COMM			
750 7112	CH-1	CHWP STATUS	OFF	NO COMM			
751 7112	CH-1	CWP STATUS	OFF	NO COMM			
752 7112	CH-1	CTF STATUS	OFF	NO COMM			
753 7112	CH-1	RESET #1	LOCAL	NO COMM			
754 7112	CH-1	RESET #2	LOCAL	NO COMM			
755 7112	CH-1					115.0	DEG F
756 7112	CH-1					74.6	DEG F
757 7112	CH-1					80.5	DEG F
758 7112	CH-1					81.3	DEG F
759 7112	CH-1					80.5	DEG F
760 7112	CH-1					0.0	DEG F
761 7110	CH-1	E/D	OFF	NO COMM			
762 7110	CH-1	STATUS	OFF	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
763	CH-1	CHWP S/S	ON	NO COMM			
764	CH-1	CHWP STATUS	OFF	NO COMM			
765	CH-1	CWP STATUS	OFF	NO COMM			
766	CH-1	CWF STATUS	OFF	NO COMM			
767	CH-1	CTF STATUS	OFF	NO COMM			
768	CH-1	RESET #1	LOCAL	NO COMM			
769	CH-1	RESET #2	LOCAL	NO COMM			
770	CH-1				CHWS TEMP	43.9	DEG F
771	CH-1				CHWR TEMP	54.1	DEG F
772	CH-1				CWS TEMP	218.0	DEG F
773	CH-1				CWR TEMP	93.5	DEG F
774	CH-1				SP TEMP	65.2	DEG F
775	MZ-1				CW RESET	0.0	DEG F
776	MZ-1	S/S STATUS	ON	NO COMM			
777	MZ-1		ON	NO COMM			
778	DX UNIT	E/D STATUS	OFF				
779	DX UNIT		OFF				
780	B-1	E/D STATUS	LOCAL				
781	B-1		OFF				
782	B-1	HWP E/D	LOCAL				
783	B-1	HWP STATUS	ON				
784	MZ-1	S/S STATUS	ON	NO COMM			
785	MZ-1		ON	NO COMM			
786	HV-1	S/S STATUS	ON	NO COMM			
787	HV-1		ON	NO COMM			
788	HV-1		ON	NO COMM			
789	HV-2	S/S STATUS	ON	NO COMM			
790	HV-2		ON	NO COMM			
791	HV-3	S/S STATUS	ON	DISABLE			
792	HV-3		OFF				
793	DX UNIT	E/D STATUS	OFF	NO COMM			
794	DX UNIT		OFF	NO COMM			
795	HW PUMP	S/S STATUS	ON	NO COMM			
796	HW PUMP		OFF	NO COMM			
797	AH-1	S/S STATUS	ON	NO COMM			
798	AH-1		ON	NO COMM			
799	AH-1				SP TEMP	74.4	DEG F
800	AC-1	S/S STATUS	ON	NO COMM			
801	AC-1		ON	NO COMM			
802	AC-1	C-1 E/D	OFF	NO COMM			
803	AC-1	C-1 STATUS	OFF	NO COMM			
804	AC-1				SP TEMP	80.9	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
805	HV-1	S/S STATUS	ON	NO COMM			
806	HV-1		ON	NO COMM			
807	HV-2	S/S STATUS	ON	NO COMM			
808	HV-2		ON	NO COMM			
809	HV-2				SP TEMP	77.1	DEG F NO COMM
810	HV-3	S/S STATUS	ON	NO COMM			
811	HV-3		OFF	NO COMM			
812	DX UNIT	E/D STATUS	OFF	NO COMM			
813	DX UNIT		OFF	NO COMM			
814	HW PUMP	S/S STATUS	ON	NO COMM			
815	HW PUMP		ON	NO COMM			
816	MZ-1	S/S STATUS	ON	NO COMM			
817	MZ-1		ON	NO COMM			
818	HV-1	S/S STATUS	ON	NO COMM			
819	HV-1		ON	NO COMM			
820	HV-1				SP TEMP	79.2	DEG F NO COMM
821	HV-2	S/S STATUS	ON	NO COMM			
822	HV-2		ON	NO COMM			
823	DX UNIT	E/D STATUS	OFF	NO COMM			
824	DX UNIT		OFF	NO COMM			
825	HW PUMP	S/S STATUS	ON	NO COMM			
826	HW PUMP		ON	NO COMM			
827	AH-1	S/S STATUS	ON	NO COMM			
828	AH-1		ON	NO COMM			
829	AH-1				SP TEMP	77.5	DEG F NO COMM
830	AC-1	S/S STATUS	ON	NO COMM			
831	AC-1		ON	DISABLE			
832	AC-1	C-1 E/D	OFF	NO COMM			
833	AC-1	C-1 STATUS	OFF	NO COMM			
834	AC-1				SP TEMP	77.1	DEG F NO COMM
835	HV-1	S/S STATUS	ON	NO COMM			
836	HV-1		ON	NO COMM			
837	HV-2	S/S STATUS	ON	NO COMM			
838	HV-2		ON	NO COMM			
839	HV-2				SP TEMP	86.2	DEG F NO COMM
840	HV-3	S/S STATUS	ON	NO COMM			
841	HV-3		ON	NO COMM			
842	DX UNIT	E/D STATUS	OFF	NO COMM			
843	DX UNIT		OFF	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
884	HW PUMP	E/D STATUS	LOCAL ON	NO COMM			
885	HW PUMP	S/S STATUS	ON	NO COMM			
886	AH-1	S/S STATUS	OFF	NO COMM			
887	AH-1	S/S STATUS	OFF	NO COMM			
888	HV-1	S/S STATUS	ON	NO COMM			
889	HV-1	S/S STATUS	OFF	DISABLE			
890	HV-1	S/S STATUS	ON	NO COMM		68.0	DEG F NO COMM
891	HV-2	S/S STATUS	ON	NO COMM			
892	HV-2	S/S STATUS	ON	DISABLE			
893	HV-3	S/S STATUS	ON	NO COMM			
894	HV-3	S/S STATUS	ON	NO COMM			
895	HV-4	S/S STATUS	ON	NO COMM			
896	HV-4	S/S STATUS	OFF	DISABLE			
897	CH-1	STATUS	OFF	NO COMM			
898	CH-1	CHWP E/D	OFF	NO COMM			
899	CH-1	CHWP STATUS	OFF	NO COMM			
900	CH-1	RESET #1	LOCAL	NO COMM			
901	CH-1	RESET #2	LOCAL	NO COMM			
902	CH-1	RESET #3	LOCAL	NO COMM			
903	CH-1					79.2	DEG F NO COMM
904	CH-1					69.9	DEG F NO COMM
905	HW PUMP	E/D STATUS	LOCAL ON	NO COMM			
906	HW PUMP	S/S STATUS	ON	NO COMM			
907	TEST UNIT 1	DI 01	OFF	NO COMM			
908	TEST UNIT 1	DI 02	OFF	NO COMM			
909	TEST UNIT 1	DI 03	OFF	NO COMM			
910	TEST UNIT 1	DI 04	OFF	NO COMM			
911	TEST UNIT 1	DI 05	OFF	NO COMM			
912	TEST UNIT 1	DI 06	OFF	NO COMM			
913	TEST UNIT 1	DI 07	OFF	NO COMM			
914	TEST UNIT 1	DI 08	OFF	NO COMM			
915	TEST UNIT 1	DI 01	OFF	NO COMM			
916	TEST UNIT 1	DI 02	OFF	NO COMM			
917	TEST UNIT 1	DI 03	OFF	NO COMM			
918	TEST UNIT 1	DI 04	OFF	NO COMM			
919	TEST UNIT 1	DI 05	OFF	NO COMM			
920	TEST UNIT 1	DI 06	OFF	NO COMM			
921	TEST UNIT 1	DI 07	OFF	NO COMM			
922	TEST UNIT 1	DI 08	OFF	NO COMM			
923	TEST UNIT 1					76.5	DEG F NO COMM
924	TEST UNIT 1					57.9	DEG F NO COMM
925	TEST UNIT 1					14.1	PSI NO COMM
926	TEST UNIT 1					-5.0	VOLTS NO COMM
927	TEST UNIT 1					-10.2	VOLTS NO COMM
928	TEST UNIT 1					-10.2	VOLTS NO COMM

RTD 01
RTD 02
AI 01
AI 02
AO 01
AO 02

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
929	TEST UNIT 2	DI 09	OFF	NO COMM			
930	TEST UNIT 2	DI 10	OFF	NO COMM			
931	TEST UNIT 2	DI 11	OFF	NO COMM			
932	TEST UNIT 2	DI 12	OFF	NO COMM			
933	TEST UNIT 2	DI 13	OFF	NO COMM			
934	TEST UNIT 2	DI 14	OFF	NO COMM			
935	TEST UNIT 2	DI 15	OFF	NO COMM			
936	TEST UNIT 2	DI 16	OFF	NO COMM			
937	TEST UNIT 2	DO 09	OFF	NO COMM			
938	TEST UNIT 2	DO 10	OFF	NO COMM			
939	TEST UNIT 2	DO 11	OFF	NO COMM			
940	TEST UNIT 2	DO 12	OFF	NO COMM			
941	TEST UNIT 2	DO 13	OFF	NO COMM			
942	TEST UNIT 2	DO 14	OFF	NO COMM			
943	TEST UNIT 2	DO 15	OFF	NO COMM			
944	TEST UNIT 2	DO 16	OFF	NO COMM			
945	TEST UNIT 2				RTD 03	44.5	NO COMM
946	TEST UNIT 2				RTD 04	43.7	NO COMM
947	TEST UNIT 2				AI 03	4.8	NO COMM
948	TEST UNIT 2				AI 04	4.8	NO COMM
949	TEST UNIT 2				AO 03	-10.2	NO COMM
950	TEST UNIT 2				AO 04	-10.2	NO COMM
951	TEST UNIT 3	DI 17	OFF	NO COMM			
952	TEST UNIT 3	DI 18	OFF	NO COMM			
953	TEST UNIT 3	DI 19	OFF	NO COMM			
954	TEST UNIT 3	DI 20	OFF	NO COMM			
955	TEST UNIT 3	DI 21	OFF	NO COMM			
956	TEST UNIT 3	DI 22	OFF	NO COMM			
957	TEST UNIT 3	DI 23	OFF	NO COMM			
958	TEST UNIT 3	DI 24	OFF	NO COMM			
959	TEST UNIT 3	DO 17	OFF	NO COMM			
960	TEST UNIT 3	DO 18	OFF	NO COMM			
961	TEST UNIT 3	DO 19	OFF	NO COMM			
962	TEST UNIT 3	DO 20	OFF	NO COMM			
963	TEST UNIT 3	DO 21	OFF	NO COMM			
964	TEST UNIT 3	DO 22	OFF	NO COMM			
965	TEST UNIT 3	DO 23	OFF	NO COMM			
966	TEST UNIT 3	DO 24	OFF	NO COMM			
967	TEST UNIT 3				RTD 05	44.9	NO COMM
968	TEST UNIT 3				RTD 06	43.7	NO COMM
969	TEST UNIT 3				AI 05	4.8	NO COMM
970	TEST UNIT 3				AI 06	-3.3	NO COMM
971	TEST UNIT 3				AO 05	-10.2	NO COMM
972	TEST UNIT 3				AO 06	-10.2	NO COMM
973	TEST UNIT 4	DI 25	OFF	NO COMM			
974	TEST UNIT 4	DI 26	OFF	NO COMM			
975	TEST UNIT 4	DI 27	OFF	NO COMM			
976	TEST UNIT 4	DI 28	OFF	NO COMM			
977	TEST UNIT 4	DI 29	OFF	NO COMM			
978	TEST UNIT 4	DI 30	OFF	NO COMM			
979	TEST UNIT 4	DI 31	OFF	NO COMM			
980	TEST UNIT 4	DI 32	OFF	NO COMM			

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
981 9999999	TEST UNIT 4	DO 25	OFF	NO COMM			
982 9999999	TEST UNIT 4	DO 26	OFF	NO COMM			
983 9999999	TEST UNIT 4	DO 27	OFF	NO COMM			
984 9999999	TEST UNIT 4	DO 28	OFF	NO COMM			
985 9999999	TEST UNIT 4	DO 29	OFF	NO COMM			
986 9999999	TEST UNIT 4	DO 30	OFF	NO COMM			
987 9999999	TEST UNIT 4	DO 31	OFF	NO COMM			
988 9999999	TEST UNIT 4	DO 32	OFF	NO COMM			
989 9999999	TEST UNIT 4				RTD 07	44.9	NO COMM
990 9999999	TEST UNIT 4				RTD 08	45.6	NO COMM
991 9999999	TEST UNIT 4				AI 07	4.8	NO COMM
992 9999999	TEST UNIT 4				AI 08	4.9	NO COMM
993 9999999	TEST UNIT 4				AO 07	-10.2	NO COMM
994 9999999	TEST UNIT 4				AO 08	-10.2	NO COMM
995 9999999	TEST UNIT 5				PA 01	645.0	NO COMM
996 9999999	TEST UNIT 5				PA 02	645.0	NO COMM
997 865	DEMAND				MW SHED	0.0	
998 865	DEMAND				UNITS SHED	0.0	
999 865	DEMAND				PROJECTED	21.2	
1000 865	DEMAND				PRIORITY	0.0	
1001 865	DEMAND				TARGET	99.0	
1004 5740	CHILLERS	CH-2 STATUS	OFF				
1005 865	WEATHER				OA WETBULB	32.9	DEG F
1006 865	WEATHER				OA ENTHALPY	12.1	BTU/LB
1007 865	DEMAND				METER	19.7	MWH
1009 5740	FKOJ AH	REE	OFF				
1010 865	DEMAND	RE #1	LOCAL				
1011 865	DEMAND	RE #2	LOCAL				
1012 865	DEMAND	RE #3	LOCAL				
1013 865	DEMAND	RE #4	LOCAL				
1014 865	DEMAND	RE #5	LOCAL				
1015 865	DEMAND	RE #6	LOCAL				
1016 89	UPS	STATUS	LINE	NO COMM			
1018 3411	UPS	STATUS	LINE				
1019 3902	UPS	STATUS	LINE				
1020 5661	UPS	STATUS	LINE	NO COMM			
1021 6628	UPS	STATUS	LINE	NO COMM			
1022 7112	UPS	STATUS	LINE	NO COMM			
1023 7110	UPS	STATUS	LINE	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1024	UPS	STATUS	LINE				
1025	UPS	STATUS	LINE				
1026	UPS	STATUS	LINE	NO COMM			
1027	UPS	UPS STATUS 1-1	LINE				
1028	UPS	UPS STATUS 1-2	LINE				
1029	UPS	DOOR STATUS 1-2	CLOSED				
1030	UPS	UPS STATUS 2-1	LINE				
1031	UPS	UPS STATUS 2-2	LINE				
1032	UPS	DOOR STATUS 2-2	CLOSED				
1033	UPS	UPS STATUS 2-3	LINE				
1034	UPS	DOOR STATUS 2-3	CLOSED				
1035	UPS	UPS STATUS 3-1	LINE				
1036	UPS	UPS STATUS 3-2	LINE				
1037	UPS	DOOR STATUS 3-2	CLOSED				
1038	AC-2				SP TEMP	120.9	DEG F NO COMM
1039	AC-3				SP TEMP	120.9	DEG F NO COMM
1040	HV-1				SP TEMP	121.6	DEG F NO COMM
1041	AH-1				SP TEMP	73.6	DEG F NO COMM
1042	AH-1				SP HUM	43.4	% RH NO COMM
1043	MZ-1				SP TEMP	70.5	DEG F NO COMM
1044	AH-1				SP TEMP	67.6	DEG F NO COMM
1045	MZ-1				SP TEMP	73.2	DEG F NO COMM
1046	HCHW SYSTEM				SP TEMP 1	176.3	DEG F NO COMM
1047	HCHW SYSTEM				SP TEMP 2	79.6	DEG F NO COMM
1048	MZ-1				SP TEMP	66.4	DEG F NO COMM
1049	MZ-1				SP TEMP	70.3	DEG F NO COMM
1050	HW PUMP				SP TEMP	66.0	DEG F NO COMM
1051	AH-1				SP TEMP	80.9	DEG F NO COMM
1052	HW PUMP				SP TEMP	70.9	DEG F NO COMM
1053	AH-1				SP TEMP	71.5	DEG F NO COMM
1054	AC-1				SP TEMP	121.4	DEG F NO COMM
1055	CH-1	STATUS #6	OFF				
1056	CH-1	STATUS #7	OFF				

ELDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1057	BOILER SYSTEM	E/D B-1	LOCAL				
1058	BOILER SYSTEM	E/D B-2	LOCAL				
1059	BOILER SYSTEM	FLOW B-1	OPEN				
1060	BOILER SYSTEM	FLOW B-2	OPEN				
1061	BOILER SYSTEM	LEVEL B-1	OPEN				
1062	BOILER SYSTEM	LEVEL B-2	OPEN				
1063	BOILER SYSTEM	B-1 STATUS	OPEN				
1064	BOILER SYSTEM	B-2 STATUS	OPEN				
1065	BOILER SYSTEM	ALARM B-1	OPEN				
1066	BOILER SYSTEM	ALARM B-2	OPEN				
1067	BOILER SYSTEM	OIL PUMP B-1	OPEN				
1068	BOILER SYSTEM	OIL PUMP B-2	OPEN				
1069	BOILER SYSTEM	INSTR AIR B-1	CLOSED				
1070	BOILER SYSTEM	INSTR AIR B-2	CLOSED				
1071	BOILER SYSTEM				STK TEMP B-1	123.6	DEG F
1072	BOILER SYSTEM				STK TEMP B-2	168.1	DEG F
1073	MAIN SYSTEM	COND RET	OPEN				
1074	MAIN SYSTEM	FWP #1 STATUS	OPEN				
1075	MAIN SYSTEM	FWP #2 STATUS	OPEN				
1076	MAIN SYSTEM	AIR COMP STATUS	OPEN				
1077	MAIN SYSTEM						
1078	MAIN SYSTEM				STEAM TEMP	345.3	DEG F
1079	MAIN SYSTEM				OIL TEMP	40.5	DEG F
1080	MAIN SYSTEM				COND TEMP	206.3	DEG F
1081	MAIN SYSTEM				WATER TEMP	203.4	DEG F
1082	MAIN SYSTEM				STEAM PRESS	118.1	PSI
					STEAM FLOW	111.6	LBSHR
1083	BOILER SYSTEM	E/D B-5	LOCAL	NO COMM			
1084	BOILER SYSTEM	E/D B-2	LOCAL	NO COMM			
1085	BOILER SYSTEM	E/D B-3	LOCAL	NO COMM			
1086	BOILER SYSTEM	ALARM B-5	OPEN	NO COMM			
1087	BOILER SYSTEM	ALARM B-3	OPEN	NO COMM			
1088	BOILER SYSTEM	ALARM B-3	OPEN	NO COMM			
1089	BOILER SYSTEM	FLOW B-5	OPEN	NO COMM			
1090	BOILER SYSTEM	FLOW B-2	OPEN	NO COMM			
1091	BOILER SYSTEM	FLOW B-3	OPEN	NO COMM			
1092	BOILER SYSTEM	LEVEL B-5	OPEN	NO COMM			
1093	BOILER SYSTEM	LEVEL B-2	OPEN	NO COMM			
1094	BOILER SYSTEM	LEVEL B-3	OPEN	NO COMM			
1095	BOILER SYSTEM	B-5 STATUS	OPEN	NO COMM			
1096	BOILER SYSTEM	B-2 STATUS	OPEN	NO COMM			
1097	BOILER SYSTEM	B-3 STATUS	OPEN	NO COMM			
1098	BOILER SYSTEM				STK TEMP B-1	556.9	DEG F
1099	BOILER SYSTEM				STK TEMP B-2	78.5	DEG F
1100	BOILER SYSTEM				STK TEMP B-3	76.0	DEG F
1101	MAIN SYSTEM	COND RET	OPEN	NO COMM			
1102	MAIN SYSTEM	FWP #1 STATUS	OPEN	NO COMM			
1103	MAIN SYSTEM	FWP #2 STATUS	OPEN	NO COMM			
1104	MAIN SYSTEM	AIR COMP	OPEN	NO COMM			
1105	MAIN SYSTEM	INSTR AIR	OPEN	NO COMM			
1106	MAIN SYSTEM	OIL PUMP #1	OPEN	NO COMM			
1107	MAIN SYSTEM	OIL PUMP #2	OPEN	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1108 157	MAIN SYSTEM				OIL TEMP	68.6	DEG F NO COMM
1109 157	MAIN SYSTEM				COND TEMP	163.6	DEG F NO COMM
1110 157	MAIN SYSTEM				STEAM PRESS	36.6	PSI NO COMM
1111 157	MAIN SYSTEM				STEAM TEMP	278.4	DEG F NO COMM
1112 157	MAIN SYSTEM				WATER TEMP	216.1	DEG F NO COMM
1113 157	MAIN SYSTEM				STEAM FLOW	13.5	LBSHR NO COMM
1114 157	BOILER SYSTEM				PLANT PRESS	45.8	PSI NO COMM
1115 157	MAIN SYSTEM				FW PRESS	10.9	PSI NO COMM
1116 6709	DT PUMP	MOTOR RESET	OPEN				
1117 6709	DT PUMP	TRIP STATUS	OPEN				
1118 6710	DT PUMP	MOTOR RESET	OPEN				
1119 6710	DT PUMP	TRIP STATUS	OPEN				
1120 6712	DT PUMP	MOTOR RESET	OPEN				
1121 6712	DT PUMP	TRIP STATUS	OPEN				
1124 858	BOILER	B-1 E/D	LOCAL				
1125 858	BOILER	B-1 STATUS	ON				
1126 858	BOILER	B-1 OIL	OFF				
1127 858	BOILER	B-1 FW	OFF				
1128 858	BOILER	B-1 ALARM	OK				
1129 858	BOILER	B-1 LW ALARM	OK				
1130 858	BOILER	B-2 E/D	LOCAL				
1131 858	BOILER	B-2 STATUS	OFF				
1132 858	BOILER	B-2 OIL	OFF				
1133 858	BOILER	B-2 FW	OFF				
1134 858	BOILER	B-2 ALARM	OK				
1135 858	BOILER	B-2 LW ALARM	OK				
1136 858	BOILER	COND RTN FL	OFF				
1137 858	BOILER				B-1 STK TEMP	398.0	DEG F NO COMM
1138 858	BOILER				B-1 FW TEMP	192.3	DEG F UNREAS
1139 858	BOILER				B-1 OIL TEMP	40.4	DEG F NO COMM
1140 858	BOILER				B-2 STK TEMP	386.4	DEG F UNREAS
1141 858	BOILER				B-2 FW TEMP	150.7	DEG F UNREAS
1142 858	BOILER				B-2 OIL TEMP	65.1	DEG F ALARM
1143 858	BOILER				STM PRESS	103.0	PSI NO COMM
1144 858	BOILER				STM TEMP	337.0	DEG F NO COMM
1145 858	BOILER				B-1 STM FLOW	8.4	MM NO COMM
1146 858	BOILER				COND RTN TEMP	43.0	DEG F NO COMM
1147 858	CTRL AIR	STATUS	ON				
1148 858	CTRL AIR	MAIN AIR STAT	ON				
1149 1501	MZ-1	1ST FL MZU S/S	ON				
1150 1501	MZ-1	1ST FL S/F	ON				
1151 1501	MZ-1				HD TEMP	0.0	DEG F ALARM
1152 1501	MZ-1				CU TEMP	0.0	DEG F ALARM
1153 1501	MZ-1				SP TEMP	0.0	DEG F ALARM
1154 1501	MZ-1				RA TEMP	0.0	DEG F ALARM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1155	MZ-2	2ND EL MZU S/S	ON		HD TEMP	68.9	NO COMM
1156	MZ-2	2ND EL SAE	ON		CD TEMP	68.0	NO COMM
1157	MZ-2				SP TEMP	75.3	NO COMM
1158	MZ-2				RA TEMP	68.8	NO COMM
1159	MZ-2						
1160	MZ-2						
1161	DINING	MZU S/S	ON		HD TEMP	71.3	NO COMM
1162	DINING	MZU SAE	ON				
1163	DINING				CD TEMP	69.9	NO COMM
1164	DINING				SP TEMP	77.4	NO COMM
1165	DINING				RA TEMP	70.6	NO COMM
1166	DINING						
1167	KITCHEN	H&V S/S	ON		SA TEMP	70.6	NO COMM
1168	KITCHEN	H&V SAE	ON		RA TEMP	64.9	NO COMM
1169	KITCHEN				SP TEMP	75.4	NO COMM
1170	KITCHEN						
1171	KITCHEN						
1172	BALL RM	ACU COMP E/D	OFF	DISABLE	SA TEMP	53.1	NO COMM
1173	BALL RM	ACU SAE STAT	OFF	ALARM	RA TEMP	67.0	NO COMM
1174	BALL RM	ACU SAE S/S	ON		SP TEMP	69.7	NO COMM
1175	BALL RM	COMP AUX CONT	OFF				
1176	BALL RM						
1177	BALL RM						
1178	BALL RM						
1179	CHILLER	E/D	OFF		CHWS TEMP	71.5	NO COMM
1180	CHILLER	AUX CONT	OFF		CHWK TEMP	69.8	NO COMM
1181	CHILLER	CHWP E/D	OFF				
1182	CHILLER	CHWP STAT	OFF				
1183	CHILLER						
1184	CHILLER						
1185	BOILER	E/D	LOCAL		STM PRESS	9.1	NO COMM
1186	BOILER	STATUS	ON				
1187	BOILER						
1188	CTRL AIR	STATUS	ON				
1189	WEATHER						
1191	AH-1	SAE STATUS	ON		SA TEMP	111.1	ALARM
1192	AH-1	S/S	ON		RA TEMP	63.4	ALARM
1193	AH-1				SP TEMP	72.9	
1194	AH-1						
1195	AH-1						
1196	AH-2	S/S	ON				
1197	AH-2	SAE STATUS	ON		SA TEMP	136.1	ALARM
1198	AH-2				RA TEMP	81.2	ALARM
1199	AH-2				SP TEMP	86.4	ALARM
1200	AH-2						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1201	BOILER	B-1 E/D	LOCAL				
1202	BOILER	B-1 STATUS	ON				
1203	BOILER	B-2 E/D	LOCAL				
1204	BOILER	B-2 STATUS	OFF				
1205	BOILER				STM PRESS	0.8	FSI ALARM
1206	WEATHER				OA TEMP	30.2	DEG F
1207	AC-1	S/S STATUS	ON	NO COMM			
1208	AC-1	SAE STATUS	OFF	NO COMM			
1209	AC-1	COMP-1 E/D	LOCAL	NO COMM			
1210	AC-1	COMP-1 STAT	OFF	NO COMM			
1211	AC-1	COMP-2 E/D	LOCAL	NO COMM			
1212	AC-1	COMP-2 STAT	OFF	NO COMM			
1213	AC-1				SA TEMP	62.3	DEG F NO COMM
1214	AC-1				SP TEMP	73.3	DEG F NO COMM
1215	AC-1				KA TEMP	70.7	DEG F NO COMM
1216	AC-2	S/S STATUS	ON	NO COMM			
1217	AC-2	SAE STATUS	OFF	NO COMM			
1218	AC-2	COMP-1 E/D	LOCAL	NO COMM			
1219	AC-2	COMP-1 STAT	OFF	NO COMM			
1220	AC-2	COMP-2 E/D	LOCAL	NO COMM			
1221	AC-2	COMP-2 STAT	OFF	NO COMM			
1222	AC-2				SA TEMP	61.6	DEG F NO COMM
1223	AC-2				SP TEMP	72.3	DEG F NO COMM
1224	AC-2				KA TEMP	69.5	DEG F NO COMM
1225	BOILER	E/D STATUS	LOCAL	NO COMM			
1226	BOILER		OFF	NO COMM			
1227	BOILER				STM TEMP	241.1	DEG F NO COMM
1228	DT PUMP	E/D STATUS	LOCAL				
1229	DT PUMP		ON				
1230	DT PUMP				DTWS TEMP	125.7	DEG F
1231	DT PUMP				DTWR TEMP	123.1	DEG F
1232	DT PUMP	E/D STATUS	LOCAL				
1233	DT PUMP		ON				
1234	DT PUMP				DTWS TEMP	128.4	DEG F
1235	DT PUMP				DTWR TEMP	122.6	DEG F
1236	DT PUMP						
1238	CHILLER	E/D STATUS	OFF				
1239	CHILLER	STATUS	OFF				
1240	CHILLER	CHWP-1 E/D	OFF				
1241	CHILLER	CHWP-1 STATUS	OFF				
1242	CHILLER	CHWP-2 E/D	OFF				
1243	CHILLER	CHWP-2 STATUS	OFF				
1244	CHILLER	CWP-1 E/D	OFF				
1245	CHILLER	CWP-1 STATUS	OFF				
1246	CHILLER	CWP-2 E/D	OFF				
1247	CHILLER	CWP-2 STATUS	OFF				
1248	CHILLER	CT STATUS	OFF				
1249	CHILLER				CHWS TEMP	57.0	DEG F

BLOG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1250	CHILLER				CHWR TEMP	57.3	DEG F
1251	CHILLER				CWS TEMP	58.3	DEG F
1252	CHILLER				CWR TEMP	53.6	DEG F
1253	BOILER	B-1 E/D	LOCAL				
1254	BOILER	B-1 STATUS	ON				
1255	BOILER	B-2 E/D	LOCAL				
1256	BOILER	B-2 STATUS	ON				
1257	BOILER	B-3 E/D	LOCAL				
1258	BOILER	B-3 STATUS	OFF				
1259	BOILER				STM PRESS	33.9	FSI
1260	DT PUMP	E/D	LOCAL				
1261	DT PUMP	STATUS	ON				
1262	DT PUMP				DTWS TEMP	135.1	DEG F
1263	DT PUMP				DTWR TEMP	129.6	DEG F
1264	CHILLER	E/D	OFF	DISABLE			
1265	CHILLER	STATUS	OFF				
1266	CHILLER	CHWP-1 E/D	OFF				
1267	CHILLER	CHWP-1 STATUS	OFF				
1268	CHILLER	CHWP-2 E/D	OFF				
1269	CHILLER	CHWP-2 STATUS	ON				
1270	CHILLER	CWP-1 E/D	OFF				
1271	CHILLER	CWP-1 STATUS	OFF				
1272	CHILLER	CWP-2 E/D	OFF				
1273	CHILLER	CWP-2 STATUS	OFF				
1274	CHILLER	CT STATUS	OFF				
1275	CHILLER				CHWS TEMP	70.6	DEG F
1276	CHILLER				CHWK TEMP	70.3	DEG F
1277	CHILLER				CWS TEMP	53.8	DEG F
1278	CHILLER				CWR TEMP	69.1	DEG F
1279	BOILER	B-1 E/D	LOCAL				
1280	BOILER	B-1 STATUS	OFF				
1281	BOILER	B-2 E/D	LOCAL				
1282	BOILER	B-2 STATUS	ON				
1283	BOILER	B-3 E/D	LOCAL				
1284	BOILER	B-3 STATUS	OFF				
1285	BOILER				STM PRESS	17.8	FSI
1286	DT PUMP	E/D	LOCAL				
1287	DT PUMP	STATUS	ON				
1288	DT PUMP				DTWS TEMP	132.3	DEG F
1289	DT PUMP				DTWR TEMP	135.7	DEG F
1290	CTRL AIR	MAIN AIR STAT	ON				
1291	DT PUMP	E/D	LOCAL				
1292	DT PUMP	STATUS	ON				
1293	DT PUMP				DTWS TEMP	110.3	DEG F
1294	DT PUMP				DTWR TEMP	107.8	DEG F
1295	DT PUMP				SP TEMP	0.0	DEG F

NO COMM

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1296	DT PUMP	E/D STATUS	LOCAL ON		DTWS TEMP	169.1	DEG F
1297	DT PUMP				DTWR TEMP	182.5	DEG F
1298	DT PUMP				SP TEMP	0.0	DEG F
1299	DT PUMP						NO COMM
1300	DT PUMP						NO COMM
1301	DT PUMP	E/D STATUS	LOCAL ON		DTWS TEMP	126.1	DEG F
1302	DT PUMP				DTWR TEMP	120.4	DEG F
1303	DT PUMP				SP TEMP	0.0	DEG F
1304	DT PUMP						NO COMM
1305	DT PUMP						NO COMM
1306	DT PUMP	E/D STATUS	LOCAL ON		DTWS TEMP	143.1	DEG F
1307	DT PUMP				DTWR TEMP	141.9	DEG F
1308	DT PUMP				SP TEMP	0.0	DEG F
1309	DT PUMP						NO COMM
1310	DT PUMP						NO COMM
1311	MZ-1	S/S STATUS	ON	NO COMM			
1312	MZ-1	SAE STATUS	ON	NO COMM	SA TEMP	6.0	DEG F
1313	MZ-1				KA TEMP	61.7	DEG F
1314	MZ-1				SP TEMP	87.9	DEG F
1315	MZ-1						NO COMM
1316	MZ-2	S/S STATUS	ON	NO COMM	SA TEMP	74.4	DEG F
1317	MZ-2	SAE STATUS	ON	NO COMM	KA TEMP	-2048.0	DEG F
1318	MZ-2				SP TEMP	81.4	DEG F
1319	MZ-2						NO COMM
1320	MZ-2						NO COMM
1321	HWP	E/D STATUS	LOCAL ON	NO COMM	HWS TEMP	159.5	DEG F
1322	HWP				HWR TEMP	78.9	DEG F
1323	HWP						NO COMM
1324	HWP						NO COMM
1325	CHWP	E/D STATUS	OFF	NO COMM	CHWS TEMP	77.6	DEG F
1326	CHWP		OFF	NO COMM	CHWR TEMP	78.6	DEG F
1327	CHWP						NO COMM
1328	CHWP						NO COMM
1329	CTRL AIR	STATUS	ON	NO COMM			
1330	DT PUMP	E/D STATUS	LOCAL ON	NO COMM	DTWS TEMP	225.7	DEG F
1331	DT PUMP				DTWR TEMP	88.4	DEG F
1332	DT PUMP				SP TEMP	78.3	DEG F
1333	DT PUMP						NO COMM
1334	DT PUMP						NO COMM
1335	DT PUMP	E/D STATUS	LOCAL ON	NO COMM	DTWS TEMP	52.6	DEG F
1336	DT PUMP		OFF	NO COMM	DTWR TEMP	55.9	DEG F
1337	DT PUMP				SP TEMP	71.5	DEG F
1338	DT PUMP						NO COMM
1339	DT PUMP						NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1340	MZ-1	S/S	ON	NO COMM	HD TEMP	81.5	DEG F NO COMM
1341	MZ-1	SAE STATUS	OFF	NO COMM	CD TEMP	60.7	DEG F NO COMM
1342	MZ-1				RA TEMP	81.8	DEG F NO COMM
1343	MZ-1				SP TEMP	84.4	DEG F NO COMM
1344	MZ-1						
1345	MZ-1						
1346	MZ-2	S/S	ON	NO COMM	HD TEMP	79.8	DEG F NO COMM
1347	MZ-2	SAE STATUS	OFF	NO COMM	CD TEMP	60.6	DEG F NO COMM
1348	MZ-2				RA TEMP	79.4	DEG F NO COMM
1349	MZ-2				SP TEMP	80.8	DEG F NO COMM
1350	MZ-2						
1351	MZ-2						
1352	MZ-3	S/S	ON	NO COMM	HD TEMP	69.2	DEG F NO COMM
1353	MZ-3	SAE STATUS	OFF	NO COMM	CD TEMP	61.3	DEG F NO COMM
1354	MZ-3				RA TEMP	77.1	DEG F NO COMM
1355	MZ-3				SP TEMP	75.8	DEG F NO COMM
1356	MZ-3						
1357	MZ-3						
1358	CHWP	E/D	OFF	NO COMM	CHWS TEMP	51.8	DEG F NO COMM
1359	CHWP	STATUS	OFF	NO COMM	CHWR TEMP	56.1	DEG F NO COMM
1360	CHWP						
1361	CHWP						
1362	CTRL AIR	STATUS	OFF	NO COMM			
1363	MZ-1	S/S	ON	NO COMM	HD TEMP	60.6	DEG F NO COMM
1364	MZ-1	SAE STATUS	OFF	NO COMM	CD TEMP	62.1	DEG F NO COMM
1365	MZ-1				RA TEMP	81.0	DEG F NO COMM
1366	MZ-1				MA TEMP	81.2	DEG F NO COMM
1367	MZ-1				Z1 SP TEMP	74.9	DEG F NO COMM
1368	MZ-1				Z2 SP TEMP	77.7	DEG F NO COMM
1369	MZ-1				Z3 SP TEMP	74.0	DEG F NO COMM
1370	MZ-1				STM VLV CTL	0.0	% OPEN NO COMM
1371	MZ-1				HD SET POINT	90.0	DEG F NO COMM
1372	MZ-1				OA DMP CTL	0.0	% OPEN NO COMM
1373	MZ-1				OA SET POINT	55.0	DEG F NO COMM
1374	MZ-1				Z1 DMP CTL	10.0	% OPEN NO COMM
1375	MZ-1				Z1 SET POINT	75.0	DEG F NO COMM
1376	MZ-1				Z2 DMP CTL	10.2	% OPEN NO COMM
1377	MZ-1				Z2 SET POINT	75.0	DEG F NO COMM
1378	MZ-1				Z3 DMP CTL	10.0	% OPEN NO COMM
1379	MZ-1				Z3 SET POINT	75.0	DEG F NO COMM
1380	MZ-1						
1381	MZ-1						
1382	MZ-2	S/S	ON	NO COMM	HD TEMP	87.9	DEG F NO COMM
1383	MZ-2	SAE STATUS	ON	NO COMM	CD TEMP	64.3	DEG F NO COMM
1384	MZ-2				RA TEMP	82.4	DEG F NO COMM
1385	MZ-2				MA TEMP	82.1	DEG F NO COMM
1386	MZ-2						
1387	MZ-2						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1388	MZ-2				Z1 SP TEMP	86.6	NO COMM
1389	MZ-2				Z2 SP TEMP	76.2	NO COMM
1390	MZ-2				Z3 SP TEMP	77.4	NO COMM
1391	MZ-2				STM VLV CTL	0.0	NO COMM
1392	MZ-2				OA DMP CTL	0.0	NO COMM
1393	MZ-2				OA SET POINT	55.0	NO COMM
1394	MZ-2				Z1 DMP CTL	10.2	NO COMM
1395	MZ-2				Z1 SET POINT	75.0	NO COMM
1396	MZ-2				Z2 DMP CTL	10.0	NO COMM
1397	MZ-2				Z2 SET POINT	75.0	NO COMM
1398	MZ-2				Z3 DMP CTL	10.2	NO COMM
1399	MZ-2				Z3 SET POINT	76.0	NO COMM
1400	MZ-3		ON	NO COMM			
1401	MZ-3		OFF	NO COMM			
1402	MZ-3	S/S STATUS			HD TEMP	70.9	NO COMM
1403	MZ-3				CD TEMP	62.8	NO COMM
1404	MZ-3				RA TEMP	78.9	NO COMM
1405	MZ-3				MA TEMP	79.9	NO COMM
1406	MZ-3				Z1 SP TEMP	75.4	NO COMM
1407	MZ-3				Z2 SP TEMP	76.6	NO COMM
1408	MZ-3				Z3 SP TEMP	78.7	NO COMM
1409	MZ-3				STM VLV CTL	0.0	NO COMM
1410	MZ-3				OA DMP CTL	0.0	NO COMM
1411	MZ-3				OA SET POINT	55.0	NO COMM
1412	MZ-3				Z1 DMP CTL	10.0	NO COMM
1413	MZ-3				Z1 SET POINT	75.0	NO COMM
1414	MZ-3				Z2 DMP CTL	10.0	NO COMM
1415	MZ-3				Z2 SET POINT	75.0	NO COMM
1416	MZ-3				Z3 DMP CTL	10.2	NO COMM
1417	MZ-3				Z3 SET POINT	75.0	NO COMM
1418	CHWP	S/S STATUS	OFF	NO COMM			
1419	CHWP		ON	NO COMM	CHWS TEMP	85.6	NO COMM
1420	CHWP				CHWR TEMP	87.2	NO COMM
1421	CHWP						
1422	WEATHER				OA TEMP	76.8	NO COMM
1423	STM SYS	STATUS	OFF	NO COMM			
1424	CTRL AIR	STATUS	ON	NO COMM			
1425	MZ-1	S/S STATUS	ON	NO COMM			
1426	MZ-1		ON	NO COMM	HD TEMP	82.0	NO COMM
1427	MZ-1				CD TEMP	80.8	NO COMM
1428	MZ-1				RA TEMP-1	81.6	NO COMM
1429	MZ-1				RA TEMP-2	78.4	NO COMM
1430	MZ-1				Z1 SP TEMP	80.2	NO COMM
1431	MZ-1				Z2 SP TEMP	79.4	NO COMM
1432	MZ-1						
1433	CHWP	E/D STATUS	OFF	NO COMM			
1434	CHWP		OFF	NO COMM			

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1435	CHWP				CHWS TEMP	83.9	NO COMM
1436	CHWP				CHWR TEMP	84.6	NO COMM
1437	CTRL AIR	STATUS	ON	NO COMM			
1438	DT PUMP	E/D	LOCAL	NO COMM			
1439	DT PUMP	STATUS	ON	NO COMM			
1440	DT PUMP				DTWS TEMP	77.8	NO COMM
1441	DT PUMP				DTWR TEMP	82.8	NO COMM
1442	DT PUMP				SP TEMP	72.9	NO COMM
1443	MZ-1	S/S	ON	NO COMM			
1444	MZ-1	SAE STATUS	ON	NO COMM			
1445	MZ-1				HD TEMP	80.6	NO COMM
1446	MZ-1				CD TEMP	79.8	NO COMM
1447	MZ-1				RA TEMP	79.2	NO COMM
1448	MZ-1				SP TEMP	79.7	NO COMM
1449	MZ-2	S/S	ON	NO COMM			
1450	MZ-2	SAE STATUS	DN	NO COMM			
1451	MZ-2				HD TEMP	80.8	NO COMM
1452	MZ-2				CD TEMP	79.0	NO COMM
1453	MZ-2				RA TEMP	80.3	NO COMM
1454	MZ-2				SP TEMP	78.7	NO COMM
1455	MZ-3	S/S	ON	NO COMM			
1456	MZ-3	SAE STATUS	OFF	NO COMM			
1457	MZ-3				HD TEMP	78.2	NO COMM
1458	MZ-3				CD TEMP	80.3	NO COMM
1459	MZ-3				RA TEMP	73.1	NO COMM
1460	MZ-3				SP TEMP	82.3	NO COMM
1461	MZ-4	S/S	ON	NO COMM			
1462	MZ-4	SAE STATUS	OFF	NO COMM			
1463	MZ-4				HD TEMP	78.6	NO COMM
1464	MZ-4				CD TEMP	75.8	NO COMM
1465	MZ-4				RA TEMP	75.6	NO COMM
1466	MZ-4				SP TEMP	75.9	NO COMM
1467	CHWP	E/D	OFF	NO COMM			
1468	CHWP	STATUS	OFF	NO COMM			
1469	CHWP				CHWS TEMP	84.1	NO COMM
1470	CHWP				CHWR TEMP	82.1	NO COMM
1471	CTRL AIR	STATUS	OFF	NO COMM			
1472	MZ-1	S/S	ON	NO COMM			
1473	MZ-1	SAE STATUS	DN	NO COMM			
1474	MZ-1				HD TEMP	78.7	NO COMM
1475	MZ-1				CD TEMP	77.6	NO COMM
1476	MZ-1				RA TEMP-1	82.4	NO COMM
1477	MZ-1				RA TEMP-2	78.1	NO COMM
1478	MZ-1				Z1 SP TEMP	79.7	NO COMM
1479	MZ-1				Z2 SP TEMP	76.6	NO COMM

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1480	CHWP	E/D STATUS	OFF	NO COMM			
1481	CHWP		ON	NO COMM			
1482	CHWP				CHWS TEMP	89.9	DEG F
1483	CHWP				CHWR TEMP	87.2	DEG F
1484	ACU-1	S/S	ON				
1485	ACU-1	SAP STATUS	ON				
1486	ACU-1	RAF-1 STAT	ON				
1487	ACU-1	COMP-1 E/D	LOCAL				
1488	ACU-1	COMP-1 STAT	OFF				
1489	ACU-1	RAF-2 STAT	ON				
1490	ACU-1	COMP-2 E/D	LOCAL				
1491	ACU-1	COMP-2 STAT	OFF				
1492	ACU-1				SA TEMP	77.9	DEG F
1493	ACU-1				SP TEMP-1	78.1	DEG F
1494	ACU-1				SP TEMP-2	77.9	DEG F
1495	ACU-2	SAP S/S	ON				
1496	ACU-2	SAP STATUS	ON				
1497	ACU-2	COMP E/D	LOCAL				
1498	ACU-2	COMP STAT	OFF				
1499	ACU-2				SA TEMP	79.8	DEG F
1500	ACU-2				SP TEMP	79.3	DEG F
1501	BOILER	E/D	OFF				
1502	BOILER	STATUS	ON				
1503	BOILER	HWP-1 E/D	OFF	ALARM			
1504	BOILER	HWP-1 STATUS	ON				
1505	BOILER	HWP-2 E/D	OFF	ALARM			
1506	BOILER	HWP-2 STATUS	ON				
1507	BOILER				HWS TEMP	132.6	DEG F
1508	BOILER				HWR TEMP	122.7	DEG F
1509	WEATHER				DA TEMP	35.0	DEG F
1510	MZ-1	S/S	ON	NO COMM			
1511	MZ-1	SAP STATUS	ON	NO COMM			
1512	MZ-1				SA TEMP	82.8	DEG F
1513	MZ-1				RA TEMP	78.4	DEG F
1514	MZ-1				SP TEMP	71.5	DEG F
1515	MZ-2	S/S	ON	NO COMM			
1516	MZ-2	SAP STATUS	OFF	NO COMM			
1517	MZ-2				SA TEMP	85.8	DEG F
1518	MZ-2				RA TEMP	85.6	DEG F
1519	MZ-2				SP TEMP	77.1	DEG F
1520	HWP	E/D	LOCAL	NO COMM			
1521	HWP	STATUS	ON	NO COMM			
1522	HWP				HWS TEMP	85.1	DEG F
1523	HWP				HWR TEMP	84.2	DEG F
1524	CHWP	E/D	OFF	NO COMM			
1525	CHWP	STATUS	OFF	NO COMM			

BLOG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1526	CHWP				CHWS TEMP	91.5	NO COMM
1527	CHWP				CHWR TEMP	92.4	NO COMM
1528	CTRL AIR	STATUS	ON	NO COMM			
1529	MZ-1	S/S	ON	NO COMM	HD TEMP	73.3	NO COMM
1530	MZ-1	SAP STATUS	ON	NO COMM	CD TEMP	81.0	NO COMM
1531	MZ-1				RA TEMP	78.3	NO COMM
1532	MZ-1				SP TEMP	78.1	NO COMM
1533	MZ-1						
1534	MZ-1						
1535	MZ-2	S/S	ON	NO COMM	HD TEMP	75.8	NO COMM
1536	MZ-2	SAP STATUS	OFF	NO COMM	CD TEMP	79.3	NO COMM
1537	MZ-2				RA TEMP	76.3	NO COMM
1538	MZ-2				SP TEMP	79.0	NO COMM
1539	MZ-2						
1540	MZ-2						
1541	MZ-3	S/S	OFF	NO COMM	HD TEMP	73.0	NO COMM
1542	MZ-3	SAP STATUS	OFF	NO COMM	CD TEMP	70.8	NO COMM
1543	MZ-3				RA TEMP	75.3	NO COMM
1544	MZ-3				SP TEMP	77.6	NO COMM
1545	MZ-3						
1546	MZ-3						
1547	CHWP	E/D	OFF	NO COMM	CHWS TEMP	78.3	NO COMM
1548	CHWP	STATUS	OFF	NO COMM	CHWR TEMP	81.1	NO COMM
1549	CHWP						
1550	CHWP						
1551	CTRL AIR	STATUS	OFF	NO COMM			
1552	MZ-1	S/S	ON	NO COMM	HD TEMP	118.3	NO COMM
1553	MZ-1	SAP STATUS	ON	NO COMM	CD TEMP	66.5	NO COMM
1554	MZ-1				RA TEMP-1	78.6	NO COMM
1555	MZ-1				RA TEMP-2	72.4	NO COMM
1556	MZ-1				Z1 SP TEMP	78.0	NO COMM
1557	MZ-1				Z2 SP TEMP	77.2	NO COMM
1558	MZ-1						
1559	MZ-1						
1560	CHWP	E/D	OFF	NO COMM	CHWS TEMP	69.3	NO COMM
1561	CHWP	STATUS	OFF	NO COMM	CHWR TEMP	71.8	NO COMM
1562	CHWP						
1563	CHWP						
1564	MZ-1	S/S	ON	NO COMM	HD TEMP	67.7	NO COMM
1565	MZ-1	SAP STATUS	ON	NO COMM	CD TEMP	72.0	NO COMM
1566	MZ-1				RA TEMP	75.9	NO COMM
1567	MZ-1				SP TEMP	72.0	NO COMM
1568	MZ-1						
1569	MZ-1						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1570 4054	MZ-2	S/S STATUS	ON	NO COMM	HD TEMP	67.4	NO COMM
1571 4054	MZ-2		OFF	NO COMM	CD TEMP	69.5	NO COMM
1572 4054	MZ-2				RA TEMP	76.1	NO COMM
1573 4054	MZ-2				SP TEMP	74.3	NO COMM
1574 4054	MZ-2						
1575 4054	MZ-2						
1576 4054	MZ-3	S/S STATUS	ON	NO COMM	HD TEMP	66.3	NO COMM
1577 4054	MZ-3		ON	NO COMM	CD TEMP	68.3	NO COMM
1578 4054	MZ-3				RA TEMP	80.1	NO COMM
1579 4054	MZ-3				SP TEMP	75.2	NO COMM
1580 4054	MZ-3						
1581 4054	MZ-3						
1582 4054	MZ-4	S/S STATUS	ON	NO COMM	HD TEMP	76.2	NO COMM
1583 4054	MZ-4		OFF	NO COMM	CD TEMP	77.6	NO COMM
1584 4054	MZ-4				RA TEMP	79.1	NO COMM
1585 4054	MZ-4				SP TEMP	75.7	NO COMM
1586 4054	MZ-4						
1587 4054	MZ-4						
1588 4054	MZ-5	S/S STATUS	ON	NO COMM	HD TEMP	77.6	NO COMM
1589 4054	MZ-5		OFF	NO COMM	CD TEMP	79.2	NO COMM
1590 4054	MZ-5				RA TEMP	74.7	NO COMM
1591 4054	MZ-5				SP TEMP	71.2	NO COMM
1592 4054	MZ-5						
1593 4054	MZ-5						
1594 4054	CHWP	E/D STATUS	OFF	NO COMM	CHWS TEMP	75.6	NO COMM
1595 4054	CHWP		ON	NO COMM	CHWR TEMP	76.6	NO COMM
1596 4054	CHWP						
1597 4054	CHWP						
1598 4054	CTRL AIR	STATUS	OFF	NO COMM			
1599 4062	MZ-1	S/S SAE STATUS	ON	NO COMM	HD TEMP	67.9	NO COMM
1600 4062	MZ-1		ON	NO COMM	CD TEMP	73.1	NO COMM
1601 4062	MZ-1		ON	NO COMM	RA TEMP	71.6	NO COMM
1602 4062	MZ-1				SP TEMP	73.4	NO COMM
1603 4062	MZ-1						
1604 4062	MZ-1						
1605 4062	MZ-2	S/S SAE STATUS	ON	NO COMM	HD TEMP	70.3	NO COMM
1606 4062	MZ-2		ON	NO COMM	CD TEMP	75.6	NO COMM
1607 4062	MZ-2				RA TEMP	75.0	NO COMM
1608 4062	MZ-2				SP TEMP	76.6	NO COMM
1609 4062	MZ-2						
1610 4062	MZ-2						
1611 4062	MZ-3	S/S SAE STATUS	ON	NO COMM	HD TEMP	56.2	NO COMM
1612 4062	MZ-3		OFF	NO COMM	CD TEMP	73.8	NO COMM
1613 4062	MZ-3				RA TEMP	72.5	NO COMM
1614 4062	MZ-3						
1615 4062	MZ-3						

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1616	MZ-3				SP TEMP	79.5	DEG F NO COMM
1617	CHWP	E/D STATUS	OFF	NO COMM			
1618	CHWP		DEF	NO COMM	CHWS TEMP	76.2	DEG F NO COMM
1619	CHWP				CHWR TEMP	76.5	DEG F NO COMM
1620	CHWP						
1621	CTRL AIR	STATUS	OFF	NO COMM			
1622	DT PUMP	E/D STATUS	LOCAL	NO COMM			
1623	DT PUMP		ON	NO COMM			
1624	DT PUMP				DTWS TEMP	70.9	DEG F DISABLE
1625	DT PUMP				DTWR TEMP	75.7	DEG F NO COMM
1626	DT PUMP				SP TEMP	75.8	DEG F NO COMM
1627	MZ-1	S/S SAE STATUS	ON	NO COMM			
1628	MZ-1		DEF	NO COMM			
1629	MZ-1				HD TEMP	66.4	DEG F NO COMM
1630	MZ-1				CD TEMP	68.9	DEG F NO COMM
1631	MZ-1				RA TEMP	84.9	DEG F NO COMM
1632	MZ-1				SP TEMP	80.5	DEG F NO COMM
1633	MZ-2	S/S SAE STATUS	ON	NO COMM			
1634	MZ-2		ON	NO COMM			
1635	MZ-2				HD TEMP	74.4	DEG F NO COMM
1636	MZ-2				CD TEMP	68.4	DEG F NO COMM
1637	MZ-2				RA TEMP	81.8	DEG F NO COMM
1638	MZ-2				SP TEMP	84.3	DEG F NO COMM
1639	MZ-3	S/S SAE STATUS	ON	NO COMM			
1640	MZ-3		ON	NO COMM			
1641	MZ-3				HD TEMP	78.4	DEG F NO COMM
1642	MZ-3				CD TEMP	87.4	DEG F NO COMM
1643	MZ-3				RA TEMP	81.4	DEG F NO COMM
1644	MZ-3				SP TEMP	81.4	DEG F NO COMM
1645	CHWP	E/D STATUS	OFF	NO COMM			
1646	CHWP		DEF	NO COMM	CHWS TEMP	60.4	DEG F NO COMM
1647	CHWP				CHWR TEMP	65.5	DEG F NO COMM
1648	CHWP						
1649	CTRL AIR	STATUS	OFF	NO COMM			
1650	MZ-1	S/S SAE STATUS	ON	NO COMM			
1651	MZ-1		ON	NO COMM			
1652	MZ-1	DX E/D	LOCAL	NO COMM			
1653	MZ-1	DX STATUS	OFF	NO COMM			
1654	MZ-1				HD TEMP	79.3	DEG F NO COMM
1655	MZ-1				CD TEMP	78.0	DEG F NO COMM
1656	MZ-1				RA TEMP	78.1	DEG F NO COMM
1657	MZ-1				SP TEMP	78.7	DEG F NO COMM
1658	MZ-2	S/S SAE STATUS	ON	NO COMM			
1659	MZ-2		ON	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1660	MZ-2				HD TEMP	57.6	NO COMM
1661	MZ-2				RA TEMP	76.5	NO COMM
1662	MZ-2				SP TEMP	81.1	NO COMM
1663	BOILER	STATUS	OFF	NO COMM			
1664	BOILER	E/D	LOCAL	NO COMM			
1665	BOILER	HWP E/D	LOCAL	NO COMM			
1666	BOILER	HWP STATUS	ON	NO COMM			
1667	BOILER				HWS TEMP	81.9	NO COMM
1668	BOILER				HWR TEMP	74.3	NO COMM
1669	CTRL AIR	STATUS	ON	NO COMM			
1670	MZ-1	S/S	ON				
1671	MZ-1	SAE STATUS	ON				
1672	MZ-1	DX E/D	LOCAL				
1673	MZ-1	DX STATUS	OFF				
1674	MZ-1				HD TEMP	76.1	ALARM
1675	MZ-1				CU TEMP	63.4	ALARM
1676	MZ-1				RA TEMP	58.9	ALARM
1677	MZ-1				SP TEMP	51.6	ALARM
1678	MZ-2	S/S	ON	ALARM			
1679	MZ-2	SAE STATUS	OFF				
1680	MZ-2				HD TEMP	80.9	ALARM
1681	MZ-2				RA TEMP	76.4	ALARM
1682	MZ-2				SP TEMP	56.8	ALARM
1683	BOILER	E/D	LOCAL				
1684	BOILER	STATUS	OFF				
1685	BOILER	HWP E/D	LOCAL				
1686	BOILER	HWP STATUS	ON	DISABLE			
1687	BOILER				HWS TEMP	239.5	NO COMM
1688	BOILER				HWR TEMP	180.1	ALARM
1689	CTRL AIR	STATUS	ON				
1690	CHILLER	E/D	OFF	NO COMM			
1691	CHILLER	STATUS	OFF	NO COMM			
1692	CHILLER	PUMP E/D	OFF	NO COMM			
1693	CHILLER	PUMP STATUS	OFF	NO COMM			
1694	HWP	E/D	OFF	NO COMM			
1695	HWP	STATUS	OFF	NO COMM			
1696	DT PUMP	E/D	LOCAL	NO COMM			
1697	DT PUMP	STATUS	ON	NO COMM			
1698	DT PUMP				DTWS TEMP	73.1	NO COMM
1699	DT PUMP				DTWR TEMP	76.9	NO COMM
1700	DT PUMP				SP TEMP	0.0	NO COMM
1701	CTRL AIR	STATUS	ON	NO COMM			
1702	CHILLER	E/D	LOCAL	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1751	AH-1				RM 103 SP TEMP	0.0	NO COMM
1752	AH-1				RM 104 SP TEMP	0.0	NO COMM
1753	AH-1				RM 105 SP TEMP	0.0	NO COMM
1754	AH-1				RM 106 SP TEMP	0.0	NO COMM
1755	AH-1				RM 107 SP TEMP	0.0	NO COMM
1756	AH-1				RM 109 SP TEMP	0.0	NO COMM
1757	AH-1				RM 110 SP TEMP	64.0	NO COMM
1758	AH-1				RM 113 SP TEMP	0.0	NO COMM
1759	AH-1				RM 114 SP TEMP	0.0	NO COMM
1760	AH-1				RM 115 SP TEMP	0.0	NO COMM
1761	AH-1				RM 119 SP TEMP	0.0	NO COMM
1762	AH-1				RM 122 SP TEMP	0.0	NO COMM
1763	AH-1				RM 123 SP TEMP	0.0	NO COMM
1764	AH-1				RM 126 SP TEMP	0.0	NO COMM
1765	AH-1				RM 127 SP TEMP	47.0	NO COMM
1766	AH-1				RM 129 SP TEMP	0.0	NO COMM
1767	AH-1				RM 130 SP TEMP	0.0	NO COMM
1768	AH-1				RM 131 SP TEMP	0.0	NO COMM
1769	AH-1				RM 133 SP TEMP	0.0	NO COMM
1770	AH-1				RM 134 SP TEMP	0.0	NO COMM
1771	AH-1				AHU-1 SP TEMP	0.0	NO COMM
1772	AH-1				AHU-1 RA TEMP	0.0	NO COMM
1773	AH-2	S/S SAE STATUS	ON	NO COMM			
1774	AH-3		OFF	NO COMM	SP TEMP	0.0	NO COMM
1775	AH-2						
1776	AH-3	S/S SAE STATUS	ON	NO COMM			
1777	AH-3		ON	NO COMM	SP TEMP	0.0	NO COMM
1778	AH-3						
1779	AH-4	S/S SAE STATUS	ON	NO COMM			
1780	AH-4		OFF	NO COMM	SP TEMP	0.0	NO COMM
1781	AH-4						
1782	AH-5	S/S SAE STATUS	ON	NO COMM			
1783	AH-5		ON	NO COMM	SP TEMP	0.0	NO COMM
1784	AH-5						
1785	AH-6	S/S SAE STATUS	ON	NO COMM			
1786	AH-6		OFF	NO COMM	SP TEMP	0.0	NO COMM
1787	AH-6						
1788	AH-7	S/S SAE STATUS	ON	NO COMM			
1789	AH-7		ON	NO COMM	SP TEMP	15.2	NO COMM
1790	AH-7						
1791	AH-8	S/S SAE STATUS	ON	NO COMM			
1792	AH-8		ON	NO COMM	SP TEMP	15.2	NO COMM
1793	AH-8						
1794	BOILER	STATUS	OFF	NO COMM			
1795	BOILER	HWP-1 E/D	LOCAL	NO COMM			
1796	BOILER	HWP-1 FL SW	ON	NO COMM			

BLDG#	UNIT	DIGITAL FT	STATE	STATUS	ANALOG FT	VALUE	STATUS
1797	BOILER	HWP-2 E/D	LOCAL	NO COMM			
1798	BOILER	HWP-2 EL SW	ON	NO COMM			
1799	BOILER				HWS TEMP	133.9	DEG F
1800	BOILER				HWR TEMP	0.0	DEG F
1801	WEATHER				OA TEMP	0.0	DEG F
1802	AH-1	S/S	ON	NO COMM			
1803	AH-1	EAN STATUS	ON	NO COMM			
1804	AH-1				SA TEMP	0.0	DEG F
1805	AH-1				RA TEMP	0.0	DEG F
1806	AH-1				SP TEMP	73.3	DEG F
1807	AH-2	S/S	ON	NO COMM			
1808	AH-2	EAN STATUS	OFF	DISABLE			
1809	AH-2				SA TEMP	77.0	DEG F
1810	AH-2				SP TEMP	75.7	DEG F
1811	AH-3	S/S	ON	NO COMM			
1812	AH-3	EAN STATUS	OFF	NO COMM			
1813	AH-3				SA TEMP	108.4	DEG F
1814	AH-3				RA TEMP	80.1	DEG F
1815	AH-3				SP TEMP	73.9	DEG F
1816	BOILER	E/D	LOCAL	NO COMM			
1817	BOILER	STATUS	OFF	NO COMM			
1818	BOILER				STM PRESS	0.8	PSI
1819	WEATHER				OA TEMP	61.7	DEG F
1820	MZ-2				HD SET POINT	90.0	DEG F
1821	MZ-3				HD SET POINT	90.0	DEG F
1825	TEST UNIT 1	DI 01	OFF	NO COMM			
1826	TEST UNIT 1	DI 02	OFF	NO COMM			
1827	TEST UNIT 1	DI 03	OFF	NO COMM			
1828	TEST UNIT 1	DI 04	OFF	NO COMM			
1829	TEST UNIT 1	DI 05	OFF	NO COMM			
1830	TEST UNIT 1	DI 06	OFF	NO COMM			
1831	TEST UNIT 1	DI 07	OFF	NO COMM			
1832	TEST UNIT 1	DI 08	OFF	NO COMM			
1833	TEST UNIT 1	DO 01	OFF	NO COMM			
1834	TEST UNIT 1	DO 02	OFF	NO COMM			
1835	TEST UNIT 1	DO 03	OFF	NO COMM			
1836	TEST UNIT 1	DO 04	OFF	NO COMM			
1837	TEST UNIT 1	DO 05	OFF	NO COMM			
1838	TEST UNIT 1	DO 06	OFF	NO COMM			
1839	TEST UNIT 1	DO 07	OFF	NO COMM			
1840	TEST UNIT 1	DO 08	OFF	NO COMM			
1841	TEST UNIT 1				AI 01	60.0	DEG F
1842	TEST UNIT 1				AI 02	60.0	DEG F
1843	TEST UNIT 1				AI 03	59.8	DEG F
1844	TEST UNIT 1				AI 04	59.9	DEG F

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1845	9999999-2	TEST UNIT 1			AD 01	0.0	NO COMM
1846	9999999-2	TEST UNIT 1			AD 02	0.0	NO COMM
1847	9999999-2	TEST UNIT 2	DI 09	NO COMM			
1848	9999999-2	TEST UNIT 2	DI 10	NO COMM			
1849	9999999-2	TEST UNIT 2	DI 11	NO COMM			
1850	9999999-2	TEST UNIT 2	DI 12	NO COMM			
1851	9999999-2	TEST UNIT 2	DI 13	NO COMM			
1852	9999999-2	TEST UNIT 2	DI 14	NO COMM			
1853	9999999-2	TEST UNIT 2	DI 15	NO COMM			
1854	9999999-2	TEST UNIT 2	DI 16	NO COMM			
1855	9999999-2	TEST UNIT 2	DO 09	NO COMM			
1856	9999999-2	TEST UNIT 2	DO 10	NO COMM			
1857	9999999-2	TEST UNIT 2	DO 11	NO COMM			
1858	9999999-2	TEST UNIT 2	DO 12	NO COMM			
1859	9999999-2	TEST UNIT 2	DO 13	NO COMM			
1860	9999999-2	TEST UNIT 2	DO 14	NO COMM			
1861	9999999-2	TEST UNIT 2	DO 15	NO COMM			
1862	9999999-2	TEST UNIT 2	DO 16	NO COMM			
1863	9999999-2	TEST UNIT 2			AI 05	60.0	NO COMM
1864	9999999-2	TEST UNIT 2			AI 06	59.9	NO COMM
1865	9999999-2	TEST UNIT 2			AI 07	60.0	NO COMM
1866	9999999-2	TEST UNIT 2			AI 08	60.0	NO COMM
1867	9999999-2	TEST UNIT 2			AD 03	0.0	NO COMM
1868	9999999-2	TEST UNIT 2			AD 04	0.0	NO COMM
1869	9999999-2	TEST UNIT 3	DI 17	NO COMM			
1870	9999999-2	TEST UNIT 3	DI 18	NO COMM			
1871	9999999-2	TEST UNIT 3	DI 19	NO COMM			
1872	9999999-2	TEST UNIT 3	DI 20	NO COMM			
1873	9999999-2	TEST UNIT 3	DI 21	NO COMM			
1874	9999999-2	TEST UNIT 3	DI 22	NO COMM			
1875	9999999-2	TEST UNIT 3	DI 23	NO COMM			
1876	9999999-2	TEST UNIT 3	DI 24	NO COMM			
1877	9999999-2	TEST UNIT 3	DO 17	NO COMM			
1878	9999999-2	TEST UNIT 3	DO 18	NO COMM			
1879	9999999-2	TEST UNIT 3	DO 19	NO COMM			
1880	9999999-2	TEST UNIT 3	DO 20	NO COMM			
1881	9999999-2	TEST UNIT 3	DO 21	NO COMM			
1882	9999999-2	TEST UNIT 3	DO 22	NO COMM			
1883	9999999-2	TEST UNIT 3	DO 23	NO COMM			
1884	9999999-2	TEST UNIT 3	DO 24	NO COMM			
1885	9999999-2	TEST UNIT 3			AI 09	52.3	NO COMM
1886	9999999-2	TEST UNIT 3			AI 10	4.6	NO COMM
1887	9999999-2	TEST UNIT 3			AI 11	117.4	NO COMM
1888	9999999-2	TEST UNIT 3			AI 12	0.0	NO COMM
1889	9999999-2	TEST UNIT 3			AD 05	0.0	NO COMM
1890	9999999-2	TEST UNIT 3			AD 06	0.0	NO COMM
1891	9999999-2	TEST UNIT 4	DI 25	NO COMM			
1892	9999999-2	TEST UNIT 4	DI 26	NO COMM			
1893	9999999-2	TEST UNIT 4	DI 27	NO COMM			
1894	9999999-2	TEST UNIT 4	DI 28	NO COMM			
1895	9999999-2	TEST UNIT 4	DI 29	NO COMM			

BLDG#	UNIT	DIGITAL PT	STATE	STATUS	ANALOG PT	VALUE	STATUS
1896	TEST UNIT 4	DI 30	OFF	NO COMM			
1897	TEST UNIT 4	DI 31	OFF	NO COMM			
1898	TEST UNIT 4	DI 32	OFF	NO COMM			
1899	TEST UNIT 4	DO 25	OFF	NO COMM			
1900	TEST UNIT 4	DO 26	OFF	NO COMM			
1901	TEST UNIT 4	DO 27	OFF	NO COMM			
1902	TEST UNIT 4	DO 28	OFF	NO COMM			
1903	TEST UNIT 4	DO 29	OFF	NO COMM			
1904	TEST UNIT 4	DO 30	OFF	NO COMM			
1905	TEST UNIT 4	DO 31	OFF	NO COMM			
1906	TEST UNIT 4	DO 32	OFF	NO COMM			
1907	TEST UNIT 4				AI 13	94.3	NO COMM
1908	TEST UNIT 4				AI 14	79.5	NO COMM
1909	TEST UNIT 4				AI 15	0.0	NO COMM
1910	TEST UNIT 4				AI 16	0.0	NO COMM
1911	TEST UNIT 4				AO 07	0.0	NO COMM
1912	TEST UNIT 4				AO 08	0.0	NO COMM
1913	TEST UNIT 5				PA 01	0.0	NO COMM
1914	TEST UNIT 5				PA 02	0.0	NO COMM
1915	BOILER				B-1	7358.0	LBSHR
1916	BOILER	REF	OFF	NO COMM	B-1 CALC FLOW		
1917	BOILER				B-2	4.1	MA
1918	BOILER				B-2 CALC FLOW	1271.7	LBSHR
1920	BOILER				B-1	7193.7	LBSHR
1921	BOILER				B-2	4.1	MA
1922	BOILER				B-2 CALC FLOW	1122.5	LBSHR
1923	BOILER SYSTEM	E/D B-3	LOCAL				
1924	MAIN SYSTEM	B-3 STATUS	ON				
1925	MAIN SYSTEM	ALARM B-3	OPEN				
1926	MAIN SYSTEM	LEVEL B-3	OPEN				
1927	MAIN SYSTEM	INSTR AIR B-3	CLEAR				
1928	MAIN SYSTEM				STK TEMP B-3	394.5	DEG F

1908 TOTAL RECORDS

EMCS

FM CONTROL

EMCS
196 7001

F.M. CONTROL

- Ft. Campbell

AW HEATERS

BLDG NO.

COOLING PTS.

HEATING PTS.

15

1

23

1

30

1

70

1

82

1

97

2

168

1

615

2

719

2

731

1

2

734

1

737

1

749

1

750

1

751

1

752

1

753

1

754

1

755

1

756

1

757

1

758

1

812

1

834

1

836

1

1

837

1

846

13

850

3

857

1

862

5

863

6

865

1

868

6

869

1

871

1

875 36

2
1

57

2/95

F M CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS</u>	<u>HW HEATERS HEATING PTS</u>
877		1
1601	1	
2191		4
2301		2
2303	2	
2306		5
2307		3
2402		2
2403		1
2430	1	
2432	1	1
2534		3
2540		2
2548		2
2550		1
2605		1
2613		1
2617		1
2625		1
2627		1
2699		3
2901		1
2950A		1
2951		5
2957	1	5
2959	1	5
2965		5
2967		4
2969		2
3000	2	
3001	2	
3108		1
3109	1	
3130		5
3133		2
3134 34		2

FM CONTROL

<u>BIDS NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
3135		2
3136		5
3137		5
3139		5
3141		2
3142		2
3143		2
3144		5
3147		5
3148		2
3149		2
3170		5
3172		2
3174		3
3176		5
3180		2
3182		2
3184		5
3186		5
3202	2	
3206	2	
3208		2
3209		3
3210		1
5115		8
5117		5
5148		5
5212		4
5213		5
5214		6
5326		1
5330		1
5611		3
5643		1
5660		1
5668 ³⁶		1
	<u>4</u>	<u>113</u>

FM CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS</u>	<u>H/W Heaters HEATING PTS</u>
5711		1
5712		2
5713		1
5715		1
5717		1
5722		2
5723		1
5724		2
5725	1	
5727		1
5728		2
5730		1
5815		1
5819		1
5823		2
5829		2
5848		1
6801		1
6139	1	
6140	1	
6550	2	
6634	1	
6708		1
6713		1 3
6714	1	
6715		1
6717		1
6720	2	
6722	1	
6723		3
6729		2
6734		3
6735		2
6736		1
6737		1
6738 36		1

F/M CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
6773		1
6784		1
6789		1
6804		1
6808		1
6847		1
6901		2
6902		2
6903	1	
6904		1
6905		1
6907		1
6908		1
6913		1
6914		1
6915		1
6916		1
6933		1
6934		1
6935		1
7043		1
7047		1
7050		1
7143		1
7144		1
7164		1
7220		1
7223	1	
7253	1	1
7259	1	1
7265		2
7295	1	
7352		5
7502		1
7504		1
7510 36		1

F/M CONTROL

<u>BLDG NO.</u>	<u>COOLING PTS.</u>	<u>HW HEATERS HEATING PTS.</u>
7526		1
7580	1	
7603	2	1
7825		1
7833	2	1
7834		2
7851	1	1
7858		1
	6	8

Bldg No.	2 - heating	cooling
2170	2	
2172	2	
2174	2	
2176	2	
2178	2	
2180	2	
2182	2	
2184	2	

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Ft. Campbell

2195 EMCS

TOTAL BLD 1433 + 4 = 1437

AREA #	Bldg.	Count	Count	Code	Notes
AREA #1	Bldg. 1536 - 1564	29 (23)	—	A-C	W-H 82
AREA #2	Bldg. 7301 - 7345	45 (39)	1	62	—
AREA #3	Bldg. 7348 - 7369 A+B	22 (20)	—	62	—
	7369 C - 7421	52 (41)	—	63	—
AREA #4	Bldg. 1477 - 1535	58 (46)	—	—	82
AREA #5	Bldg. 1201 - 1213	13 (14)	—	63	—
	1214 - 1349	36 2	—	64	—
	1350 - 1449	99 (105)	—	65	—
AREA #6	Bldg. 2001 - 2011	11 (12)	3	65	—
	2012 - 2086	75 4	—	66	—
AREA #7	Bldg. 1140 - 1195	46	—	72	82
AREA #8	Bldg. 1009 - 1010A	2 5	—	66	—
	1010B - 1042	32	—	67	—
AREA #9	Bldg. 465 - 499	35 (35)	—	—	82
AREA #10	Bldg. 402 - 448A	47 6	—	67	—
	448B - 572A	24 7	—	68	—
	572B - 589	17 9	—	69	—
AREA #11	Bldg. 2844 - 2874A	31 4	—	69	—
	2874B - 2874C	1 (20)	—	70	—

AREA #12		A-C	W-H
Bldg.	3002 - 3003 D	2	82
	3003E - 3040A	37	83
	3040B - 3045	5	84

AREA #13			
Bldg.	4920 - 4928A	8 (19)	72
	4928B - 4965B	37	73
	4965C - 4985	20	74

AREA #14			
Bldg.	3830 A - B	1	74
	3830C - 3839	9	74

AREA #15			
Bldg.	3806 - 3818A	4 (5)	74
	3818B - 3821	11	75

AREA #16			
Bldg.	4801 - 4825 I	24 (25)	—
	4825 - J-K-L	—	—

AREA #17			
Bldg.	4701 - 4743D	43	—
	4743E - 4756	13 (14)	—

AREA #18			
Bldg.	4101 - 4129B	29	—
	4129C - 4156	17 (16)	—

AREA #19			
Bldg.	4602 - 4648	47	75
	4649 - 4697	48 (49)	76

AREA #20			
Bldg.	4501 - 4517	17 (18)	76
	4518 - 4572	54 (55)	77

436 (434)

AREA #21		A-C	W-H
Bldg. 4402-4420	19	77	89
4421	1	78	89
4422-4479	58	78	90

AREA #22			
Bldg. 4301-4311	11	(12)	78
4312-4391	19	(10)	79
4392-4393	2		80
4394-4399	6		80

AREA #23			
Bldg. 4202-4233 B	32		80
4233C-4264	31	(32)	81

AREA #24			
Bldg. 7101-7104	4	(5)	-

OPTION #001			
Bldg. 5017-5030A	14		70
5030B-5095	65		71

322 (326)

NOTE

COMMON TO ALL FM SWITCHES

FI FUNCTION ONLY

FI CLEN — NO

F2 CLEN — NO

SCRAM EN — YES

SCRAM SEL — 255

T.O.B } 7.5 MIN.
T.O.A }

TOTAL BLD 1437 (1480) (1488 TOTAL ALL)

Scram BLD HAVE 2 API
" " " 4 "
" " " 8 "

**FORT CAMPBELL
LATEST CONSTRUCTION**

WITH POSSIBLE EMCS CAPABILITY

Function Key F3 For Selection - Esc To Exit

Station	Type	Fund	Line	Item	Authyr	Install	Emcode	Desc
-21128	°10		°0004004	°92		°FT CAMPBELL°WD		°MED SUP WH-PWRS (op Hosp. EMCS)
-21128	°10		°0008200	°92		°FT CAMPBELL°WD		°MOD 3 DIN FAC
-21128	°10		°0009148	°90		°FT CAMPBELL°WD		°GEN PRP MNT SHP
-21128	°10		°0010663	°95		°FT CAMPBELL°WD		°MOUT
-21128	°10		°0012148	°92		°FT CAMPBELL°WD		°SIMULATION CTR (no needs to be)
-21128	°10		°0015369	°95		°FT CAMPBELL°WD		°EMCS EXPANSION
-21128	°10		°0025158	°93		°FT CAMPBELL°WD		°CONSOL MAIN FAC
-21128	°10		°0186310	°95		°FT CAMPBELL°WD		°AVUM HANGAR-SABER
-21128	°10		°0186360	°95		°FT CAMPBELL°WD		°VEH MNT SHOPS
-21128	°10		°0333450	°93		°FT CAMPBELL°WD		°CAAF IMP
-21128	°10		°0333740	°96		°FT CAMPBELL°WD		°BKS RENEWAL
-21128	°10		°0369000	°94		°FT CAMPBELL°WD		°HANGAR ADDITION
-21128	°42		°0177510	°94		°FT CAMPBELL°WD		°FH W-N REVIT
-21128	°42		°0251780	°96		°FT CAMPBELL°WD		°FH IMPROVE
-21128	°49		°0036977	°93		°FT CAMPBELL°WD		°SYS INT FAC
-21128	°49		°0036978	°93		°FT CAMPBELL°WD		°TRAIN/REC FAC (NO needs to be)
-21128	°5S		°0012492	°94		°FT CAMPBELL°WD		°ELEM SCHOOL (ON EMCS)

Function Key F3 For Selection - Esc To Exit

Station	Type	Fund	Line	Item	Authyr	Install	Emcode	Desc
21128	°10		°0012148	°92		°FT CAMPBELL°WD		°SIMULATION CTR
21128	°10		°0015369	°95		°FT CAMPBELL°WD		°EMCS EXPANSION
21128	°10		°0025158	°93		°FT CAMPBELL°WD		°CONSOL MAIN FAC
21128	°10		°0186310	°95		°FT CAMPBELL°WD		°AVUM HANGAR-SABER
21128	°10		°0186360	°95		°FT CAMPBELL°WD		°VEH MNT SHOPS
21128	°10		°0333450	°93		°FT CAMPBELL°WD		°CAAF IMP
21128	°10		°0333740	°96		°FT CAMPBELL°WD		°BKS RENEWAL
21128	°10		°0369000	°94		°FT CAMPBELL°WD		°HANGAR ADDITION
21128	°42		°0177510	°94		°FT CAMPBELL°WD		°FH W-N REVIT
21128	°42		°0251780	°96		°FT CAMPBELL°WD		°FH IMPROVE
21128	°49		°0036977	°93		°FT CAMPBELL°WD		°SYS INT FAC
21128	°49		°0036978	°93		°FT CAMPBELL°WD		°TRAIN/REC FAC
21128	°5S		°0012492	°94		°FT CAMPBELL°WD		°ELEM SCHOOL
21128	°60		°0008670	°93		°FT CAMPBELL°WD		°ARTS & CRAFTS (ON EMCS now)
21128	°60		°0152090	°91		°FT CAMPBELL°WD		°NCO/ENL CLUB
21128	°99		°TEST000	°94		°FT CAMPBELL°WD		°TEST

Note:
see the attached
breakout of
each of the
above


```

02215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10018631095
02225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
02220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code KR
02025 AVUM HANGAR-SABER 0605 TACKETT 1740 03 ROGAN
00035 Area Office Code CM 0930 Engr Manager WD
02020 Prog Year 66 1167 Code 1 Dir 0 5622 Dsn % Cmp BCFY 10
0925 Design Agent ORL 1169 Code 2/3 Dir 940114 1280 Dsn % Sch 10
0280 Contr Agent ORL 1172 Code 6/7 Dir 0 1275 Dsn % Act 10
02027 Cat Code 21110 1160 Curr Dir Date 940215 5623 Dsn % cmp ECFY 10
02037 Contr Type A 1350 Dsn by AE/HL AE 0675 Constr % Sch 0
02016 PDC No 2160 Scope 076400 0670 Constr % Act 0
1056 Dsn Dlvry Ord 0 2375 Unit Measure SF
0546 Con Dlvry Ord 0
2385 Using Service 20 US ARMY FORCES COMMAND (CONUS)
0159 Appropriation Code A CONVENTIONAL
2360 Type Construction P PERMANENT
1245 Design Method # 1 O ORIGINAL DSGN
1246 Design Method # 2 N NEW FACIL/ADD
0190 Auth Phase Code 5 DEFERRED FROM PROGRA
0790 CWE Basis Code A INITIAL PROGRAM ESTIMATE
2235 Status Code M DESIGN DEFERRED
2005 Delay Code D0 NO CURRENT PR

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Browse Only - B Continue Browse - Q Quit

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02215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10018631095
02225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
02220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code KR
02025 AVUM HANGAR-SABER 0605 TACKETT 1740 03 ROGAN
00035 Area Office Code CM 0930 Engr Manager WD
1247 Energy Von Comp 1248 Energy Calc Total
1249 Enegyry Heat Fuel 1250 Enegyry Cool Sys
0062 Energy Use DSN 0 0061 Energy Use Bldg 0
1055 AE Contr No
0565 Vendor Name
0570 Vendor No
2175 Small Bus Cd
0545 Constr Contr No
0565 Vendor Name
0570 Vendor No
2175 Small Bus Cd

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Browse Only - B Continue Browse - Q Quit

2215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10036900094
 2225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
 2220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code ZR
 2025 HANGAR ADDITION 0605 TACKETT 1740 02 RYAN
 0035 Area Office Code CM 0930 Engr Manager WD

2020 Prog Year 94 1167 Code 1 Dir 850228 5622 Dsn % Cmp BCFY 10
 0925 Design Agent ORL 1169 Code 2/3 Dir 0 1280 Dsn % Sch 0
 0280 Contr Agent ORL 1172 Code 6/7 Dir 0 1275 Dsn % Act 10
 0270 Cat Code 21110 1160 Curr Dir Date 921127 5623 Dsn % cmp ECFY 10
 2037 Contr Type A 1350 Dsn by AE/HL HL 0675 Constr % Sch 0
 2016 PDC No 2160 Scope 000001 0670 Constr % Act 0
 1056 Dsn Dlvry Ord 0 2375 Unit Measure LS
 0546 Con Dlvry Ord 0
 2385 Using Service 20 US ARMY FORCES COMMAND (CONUS)
 0159 Appropriation Code A CONVENTIONAL
 2360 Type Construction P PERMANENT
 1245 Design Method # 1 O ORIGINAL DSGN
 1246 Design Method # 2 N NEW FACIL/ADD
 0190 Auth Phase Code 8 PROJECT CANCELLED
 0790 CWE Basis Code H PROJECT TERMINATED
 2235 Status Code N DESIGN DELETED
 2005 Delay Code AD ITEM CANCELLE

Browse Only - B Continue Browse - Q Quit

2215 Station Code 21128 2370 Type Funds 10 2040 Proj Key 21128 10036900094
 2225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
 2220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code ZR
 2025 HANGAR ADDITION 0605 TACKETT 1740 02 RYAN
 0035 Area Office Code CM 0930 Engr Manager WD

1247 Energy Von Comp 1248 Energy Calc Total
 1249 Energy Heat Fuel 1250 Energy Cool Sys
 0062 Energy Use DSN 0 0061 Energy Use Bldg 0

1055 AE Contr No
 0565 Vendor Name
 0570 Vendor No
 2175 Small Bus Cd
 0545 Constr Contr No
 0565 Vendor Name
 0570 Vendor No
 2175 Small Bus Cd

Browse Only - B Continue Browse - Q Quit

02215 Station Code 21128 2370 Type Funds 49 2040 Proj Key 21128 49003697893
02225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
02220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code CW
02025 TRAIN/REC FAC 0605 TACKETT 1740 13 WORLEY
00035 Area Office Code CM 0930 Engr Manager WD

02020 Prog Year 93 1167 Code 1 Dir 910612 5622 Dsn % Cmp BCFY 35
00925 Design Agent ORL 1169 Code 2/3 Dir 0 1280 Dsn % Sch 0
00280 Contr Agent ORL 1172 Code 6/7 Dir 0 1275 Dsn % Act 35
00270 Cat Code 17130 1160 Curr Dir Date 920818 5623 Dsn % cmp ECFY 35
002037 Contr Type A 1350 Dsn by AE/HL AE 0675 Constr % Sch 0
002016 PDC No 2160 Scope 017781 0670 Constr % Act 0
01056 Dsn Dlvry Ord 500 2375 Unit Measure SF
00546 Con Dlvry Ord 0
02385 Using Service S5 U.S. ARMY SPECIAL OPERATIONS COMMAND
00159 Appropriation Code A CONVENTIONAL
02360 Type Construction P PERMANENT
01245 Design Method # 1 O ORIGINAL DSGN
01246 Design Method # 2 N NEW FACIL/ADD
00190 Auth Phase Code 4 DSN HELD IN ABEYANCE
00790 CWE Basis Code A INITIAL PROGRAM ESTIMATE
02235 Status Code M DESIGN DEFERRED
02005 Delay Code DD DESIGN DEFERR

Browse Only - B Continue Browse - Q Quit

02215 Station Code 21128 2370 Type Funds 49 2040 Proj Key 21128 49003697893
02225 FT CAMPBELL 2230 State KY Date of Update 95.03.27
02220 FORT CAMPBELL KY 0610 Budget Analyst LT 1735 PM Code CW
02025 TRAIN/REC FAC 0605 TACKETT 1740 13 WORLEY
00035 Area Office Code CM 0930 Engr Manager WD

1247 Energy Von Comp 1248 Energy Calc Total M
TRACE (MAINFRAME)
1249 Energy Heat Fuel 1250 Energy Cool Sys
00062 Energy Use DSN 0 00061 Energy Use Bldg 0

01055 AE Contr No DACA2790D0010
00565 Vendor Name MASON & HANGER
00570 Vendor No 2680
02175 Small Bus Cd 0
00545 Constr Contr No
00565 Vendor Name
00570 Vendor No
02175 Small Bus Cd

Browse Only - B Continue Browse - Q Quit

UTILITY INFORMATION
& BILLING

SALES RATE SUMMARY

	GOVERNMENT	CONTRACTOR
ELECTRIC (\$/KWH)	\$0.0532	\$0.0603
NATURAL GAS (\$THERM)	\$0.4354	\$0.4604
WATER (\$K/GAL)	\$0.3773	\$0.8795
SEWAGE (\$/KGAL)	\$0.4140	\$0.8143
REFUSE (CU/YD)	\$2.3331	\$2.4031
STEAM (\$/KLB)	\$7.5473	\$7.9479
FUEL OIL #2 (\$/GAL)	\$0.6600	\$0.7861
LP GAS (\$/GAL)	\$0.5120	\$0.5274

FAMILY HOUSING RATES

ELECTRIC (\$/KWH)	\$0.0496
GAS (\$THERM)	\$0.3803
WATER (\$K/GAL)	\$0.3231
SEWAGE (\$/KGAL)	\$0.3812

2. AMENDMENT/MODIFICATION NO. P00006	3. EFFECTIVE DATE 93 May 01	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable)
6. ISSUED BY Contract Administration, DOC Bldg. 2176, 13A & Indiana Fort Campbell, KY 42223-1293 Celeste Bell (502) 798-7833	CODE KF23	7. ADMINISTERED BY (If other than Item 6) CODE	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) TVA 1101 Market Street 5S 40D Signal Place Chattanooga, TN 37042-2801	(/)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	X	10A. MODIFICATION OF CONTRACT/ORDER NO. DAKF23-87-C-0103
CODE	FACILITY CODE	10B. DATED (SEE ITEM 13) 87 Jun. 10

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

APC DLAB - No Change

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(/)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. Paragraph 4, "Rates"
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

See Attached

APPROVED: Leslie H. Carroll
LESLIE H. CARROLL
Director of Contracting
Fort Campbell, Kentucky

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	ROY F. MURRAY
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	
14B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY <u>[Signature]</u> (Signature of Contracting Officer)	93 Jun 16



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

April 12, 1993

RECEIVED BY DOC

'93 APR 15 12:26

Contract Administration
Attn: Celeste Bell
Building 2176
13A and Indiana
Ft. Campbell, Kentucky 42223

Dear Celeste:

On March 10, 1993, the TVA Board determined to bring the hydro credits being allocated to the residential consumers into better alignment with the value of the generation from TVA's hydro system. Implementing this determination will result in a decrease in revenues from firm general power consumers of about 1.6 percent.

Corresponding decreases in the base demand and energy charges have been incorporated into the enclosed direct service power rate schedule, dated May 1993. This is notification that the enclosed rate schedule replaces the direct service power rate schedule, dated May 1992, that is a part of your power contract with TVA. The replacement rate schedule will apply to bills based on meter readings taken on or after May 10, 1993.

Please feel free to contact me if you have any questions concerning the new rate schedule.

Very truly yours,

Bruce A. Macphee
Industrial Representative

Enclosure

DAKF23-87-C-0103
Modification P00006
Page 3 of 5 Pages

TENNESSEE VALLEY AUTHORITY
DIRECT SERVICE POWER RATE--SCHEDULE DSD
May 1993
(Supersedes: May 1992)

Availability

This rate shall apply to the firm electric power requirements of a customer that takes service directly from TVA and that has a contract demand of greater than 25,000 kW.

Base Charges

Customer Charge: \$1,500 per delivery point per month

Demand Charge: \$11.78 per kW of billing demand per month, plus an additional \$11.78 per kW per month for each kW, if any, of the amount by which the customer's billing demand exceeds its contract demand

Energy Charge: 2.114¢ per kWh per month

Adjustment

The base demand and energy charges shall be increased or decreased in accordance with the current Adjustment Addendum published by TVA. (In addition, such charges shall be increased or decreased to correspond to increases or decreases determined by TVA in the value of the hydro-generation benefit allocated to residential consumers.) Facilities rental charges and reactive demand charges may also be increased or decreased by TVA, effective with the effective date of any such Adjustment Addendum, to reflect changes in the cost of providing for delivery at voltage levels below 161 kV and of providing reactive power, respectively.

Facilities Rental Charge

There shall be no facilities rental charge under this rate schedule for delivery at bulk transmission voltage levels of 161 kV or higher. For delivery at less than 161 kV, there shall be added to the customer's bill a facilities rental charge. This charge shall be 36¢ per kW per month except for delivery at voltages below 46 kV, in which case the charge shall be 93¢ per kW per month for the first 10,000 kW and 73¢ per kW per month for the excess over 10,000 kW. Such charge shall be applied to the higher of (1) the highest billing demand established during the latest 12-consecutive-month period and (2) the customer's currently effective contract demand and shall be in addition to all other charges under this rate schedule, including minimum bill charges.

Reactive Demand Charges

If the reactive demand (in kVAR) is lagging during the 30-consecutive-minute period beginning or ending on a clock hour of the month in which the customer's highest metered demand occurs, there shall be added to the customer's bill a reactive charge of 78¢ per kVAR of the amount, if any, by which the reactive demand exceeds 33 percent of such metered demand. If the reactive demand (in kVAR) is leading during the 30-consecutive-minute period beginning or ending on a clock hour of the month in which the customer's lowest metered demand (excluding any metered demands which are less than 25 percent of the highest metered demand) occurs, there shall be added to the customer's bill a reactive charge of 33¢ per kVAR of the amount of reactive demand. Such charges shall be in addition to all other charges under this rate schedule, including minimum bill charges.

Determination of Demand

The metered demand for any month shall be the highest average during any 30-consecutive-minute period beginning or ending on a clock hour of the month of the load metered in kW, and such amount shall be used as the billing demand, except that the billing demand for any month shall in no case be less than the sum of (1) 30 percent of the first 5,000 kW, (2) 40 percent of the next 20,000 kW, (3) 50 percent of the next 25,000 kW, (4) 60 percent of the next 50,000 kW, (5) 70 percent of the next 100,000 kW, (6) 80 percent of the next 150,000 kW, and (7) 85 percent of all kW in excess of 350,000 kW of the higher of the currently effective contract demand and the highest billing demand established during the preceding 12 months.

Minimum Bill

The monthly bill under this rate schedule, excluding any facilities rental charges and any reactive charges, shall not be less than the sum of (1) the base customer charge, (2) the base demand charge, as adjusted (but excluding the additional portion thereof applicable to excess of billing demand over contract demand) applied to the customer's billing demand, and (3) the base energy charge, as adjusted, applied to the customer's energy takings.

Single-Point Delivery

The charges under this rate schedule are based upon the supply of service through a single delivery and metering point, and at a single voltage. If service is supplied to the same customer through more than one point of delivery or at different voltages, the supply of service at each delivery and metering point and at each different voltage shall be separately metered and billed.

DAKF23-87-C-0103
Modification P00006
Page 2 of 3 Pages

REQUIREMENT: Provide Utility Services to Fort Campbell, Kentucky

A. The purpose of this modification is to revise rates under the provisions of paragraph 4, "Rates", Direct Service Power Rate--Schedule DSD dated 12 Apr 93, to be effective 1 May 93. Contractor's letter and schedule are hereby incorporated as pages 3, 4 and 5 of 5 pages of this modification. Schedule dated 1 Apr 92 incorporated under modification P00004 is hereby deleted.

B. Approval: This modification is subject to the written approval of the Installation Commander, Fort Campbell, Kentucky or his duly authorized representative and shall not be binding until so approved.

C. No other changes.

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 11-May-94
 Invoice No.: E94-5-164
 Service To: 2400
 10-May-94
 Due Date: 21-May-94
 Last Date For Payment: 31-May-94
 Interest Rate: 3.813%

Energy	kWh	Charges
See page 2	Total kWh <u>16,476,600</u>	Total Energy Charges \$348,315.32
Demand	Maximum kW	
See page 2 Time of Demand: 1530 04/28	Total kW <u>35,721</u>	Total Demand Charges 420,793.38
Customer Charge		1,500.00
Reactive Power Charges - See page 4		1,036.62
		----- \$771,645.32
Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD ----->		----- \$790,365.32

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - MAY 94

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
4,925.30	4,533.00	42,000	16,476,600	Firm 16,476,600	\$0.02114	\$348,315.32
Total Energy			<u>16,476,600</u>			

Total Energy Charges \$348,315.32

	Minutes	Hours
Total in Month:	43,200	720.0000
(c) Firm:	43,200	720.0000

Demand	kW		Rate	
1530 04/28	35,721	Firm		
		35,721	\$11.78	\$420,793.38
Total Demand	<u>35,721</u>	Excess	0	11.78
				0.00
Total Demand Charges				<u>\$420,793.38</u>

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 35,721 Maximum kW
 Excess 35,721 Maximum kW
 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - MAY 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	MAY 93

Total Basis	<u>52,000 kW</u>
-------------	------------------

Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand	<u>23,200 kW</u>
----------------------	------------------

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - MAY 94

Page 4

Reactive power charges:

Lagging reactive power at peak demand: 13,117 kVAR
 35,721 kW x .33 = 11,788
 Excess lagging reactive charges:
 (13,117 - 11,788) x \$0.78 = \$1,036.62

Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR
 35,721 kW x .25 = 8,930
 Min. load measured (excluding readings below 8,930) = 0 @
 Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$1,036.62

POWER INVOICE

TVA 230H (F-CNTR-10-9

873-4254

ATTN AFZB-DE-B
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
DEH BUDGET
FT CAMPBELL KY 42223-1291

Billing Date: 11-Jan-94
Invoice No.: E94-1-164
Service To: 2400
10-Jan-94
Due Date: 21-Jan-94
Last Date For Payment: 31-Jan-94
Interest Rate: 3.250%

Energy	kWh	Charges
See page 2	Total kWh	18,249,000
		Total Energy Charges \$385,783.86

Demand	Maximum kW	Charges
See page 2	Total kW	33,642
Time of Demand: 0830 01/10		Total Demand Charges 396,302.76

Customer Charge	1,500.00
	0.00
	<u>\$783,586.62</u>

Facilities Rental - See page 3	18,720.00
TOTAL CHARGE FOR PERIOD	\$802,306.62

Make remittance to:
TENNESSEE VALLEY AUTHORITY
PO BOX 1000
DEPARTMENT 87
MEMPHIS TN 38148-0087

Notes:
All times are CST or CDT, whichever is in effect.

nd

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JAN 94

Page 2

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
3,269.40	2,834.90	42,000	18,249,000	Firm		
				18,249,000	\$0.02114	\$385,783.86

Total Energy 18,249,000

Total Energy Charges \$385,783.86

	Minutes	Hours
Total in Month:	44,640	744.0000
(c) Firm:	44,640	744.0000

Demand	kW		Rate	
0830 01/10	33,642	Firm		
		33,642	\$11.78	\$396,302.76
Total Demand	<u>33,642</u>	Excess	0	11.78 0.00
				Total Demand Charges <u>\$396,302.76</u>

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 33,642 Maximum kW
 Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JAN 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	DEC 92

Total Basis	<u>52,000 kW</u>	

Ratchet Demand

5,000 kW x 0.30	-	1,500 kW
20,000 kW x 0.40	-	8,000 kW
25,000 kW x 0.50	-	12,500 kW
2,000 kW x 0.60	-	1,200 kW
0 kW x 0.70	-	0 kW

Total Ratchet Demand 23,200 kW

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) - \$18,720.00

POWER INVOICE

TVA 230H (F-CNTR-10-91)

ATTN AFZB-DE-B
 HQ 101ST. ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

873-4254
 Billing Date: 14-Feb-94
 Invoice No.: E94-2-164
 Service To: 2400
 Due Date: 10-Feb-94
 Last Date For Payment: 24-Feb-94
 Interest Rate: 06-Mar-94 3.128%

Energy	kWh	Charges
See page 2	Total kWh <u>20,143,200</u>	Total Energy Charges \$425,827.25
Demand	Maximum kW	
See page 2 Time of Demand: 1130 01/19	Total kW <u>38,102</u>	Total Demand Charges 448,841.56
Customer Charge		1,500.00
		<u>\$876,168.81</u>

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD -----> \$894,888.81

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

4 01 94

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - FEB 94

Page 2

Meter Readings:

Present	Previous	Constant	kWh	Rate	Charges
3,749.00	3,269.40	42,000	20,143,200	\$0.02114	\$425,827.25

Firm
 20,143,200

Total Energy 20,143,200

Total Energy Charges \$425,827.25

	Minutes	Hours
Total in Month:	44,640	744.0000
(c) Firm:	44,640	744.0000

Demand	kW	Rate	
1130 01/19	38,102		
		Firm 38,102	\$11.78 \$448,841.56
		Excess 0	11.78 0.00
Total Demand	<u>38,102</u>		

Total Demand Charges \$448,841.56

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 38,102 Maximum kW
 Excess 38,102 Maximum kW
 0 kW

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - FEB 94

Page 3

Ratchet Demand Provision:

Normal Contract
plus high excess in prev. 12 mos.

52,000 kW
0 kW FEB 93

Total Basis

52,000 kW

Ratchet Demand

5,000 kW x 0.30 -
20,000 kW x 0.40 -
25,000 kW x 0.50 -
2,000 kW x 0.60 -
0 kW x 0.70 -

1,500 kW
8,000 kW
12,500 kW
1,200 kW
0 kW

Total Ratchet Demand

23,200 kW

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) - \$18,720.00

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

Billing Date: 11-Mar-94
 Invoice No.: E94-3-164
 Service To: 2400
 10-Mar-94
 Due Date: 21-Mar-94
 Last Date For Payment: 31-Mar-94
 Interest Rate: 3.372%

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Energy	kWh		Charges
See page 2	Total kWh	<u>16,216,200</u>	Total Energy Charges \$342,810.47
Demand		Maximum kW	
See page 2	Total kW	<u>34,398</u>	Total Demand Charges 405,208.44
Time of Demand: 1300 03/09			
Customer Charge			1,500.00
			----- \$749,518.91

Facilities Rental - See page 3 18,720.00

TOTAL CHARGE FOR PERIOD -----> \$768,238.91

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

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POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - MAR 94

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
4,135.10	3,749.00	42,000	16,216,200	Firm 16,216,200	\$0.02114	\$342,810.47
Total Energy			<u>16,216,200</u>			<u>\$342,810.47</u>
Total Energy Charges						<u>\$342,810.47</u>

	Minutes	Hours
Total in Month:	40,320	672.0000
(c) Firm:	40,320	672.0000

Demand	kW		Rate	
1300 03/09	34,398	Firm	34,398	\$11.78 \$405,208.44
Total Demand	<u>34,398</u>	Excess	0	11.78 0.00
Total Demand Charges				<u>\$405,208.44</u>

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 34,398 Maximum kW
 Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - MAR 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	MAR 93

Total Basis	<u>52,000 kW</u>
-------------	------------------

Ratchet Demand

5,000 kW x	0.30	-	1,500 kW
20,000 kW x	0.40	-	8,000 kW
25,000 kW x	0.50	-	12,500 kW
2,000 kW x	0.60	-	1,200 kW
0 kW x	0.70	-	0 kW

Total Ratchet Demand	<u>23,200 kW</u>
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Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) - \$18,720.00

Tennessee Valley Authority

Rec 4/14/94

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
DEH BUDGET
FT CAMPBELL KY 42223-1291

Billing Date: 11-Apr-94
Invoice No.: E94-4-164
Service To: 2400
Due Date: 10-Apr-94
Last Date For Payment: 21-Apr-94
Interest Rate: 01-May-94
3.612%

Energy	kWh	Charges
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See page 2	Total kWh	16,711,800	Total Energy Charges	\$353,287.45
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Demand	Maximum kW	Charges
--------	------------	---------

See page 2	Total kW	31,941	Total Demand Charges	376,264.98
Time of Demand: 0830 04/07				

Customer Charge				1,500.00
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\$731,052.43

Facilities Rental - See page 3		18,720.00
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TOTAL CHARGE FOR PERIOD	→	\$749,772.43
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Make remittance to:
TENNESSEE VALLEY AUTHORITY
PO BOX 1000
DEPARTMENT 87
MEMPHIS TN 38148-0087

Notes:
All times are GST or CDT, whichever is in effect.

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POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - APR 94

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges	
4,533.00	4,135.10	42,000	16,711,800	Firm	16,711,800	\$0.02114	\$353,287.45
Total Energy			<u>16,711,800</u>				

Total Energy Charges \$353,287.45

	Minutes	Hours
Total in Month:	44,580	743.0000
(c) Firm:	44,580	743.0000

Demand	kW		Rate		
0830 04/07	31,941	Firm			
		31,941	\$11.78	\$376,264.98	
Total Demand	<u>31,941</u>	Excess	0	11.78	0.00
Total Demand Charges				<u>\$376,264.98</u>	

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 31,941 Maximum kW
 Excess 31,941 Maximum kW
 0 kW

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - APR 94

Page 3

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	APR 93

Total Basis	<u>52,000 kW</u>	

Ratchet Demand

5,000 kW x	0.30	-	1,500 kW
20,000 kW x	0.40	-	8,000 kW
25,000 kW x	0.50	-	12,500 kW
2,000 kW x	0.60	-	1,200 kW
0 kW x	0.70	-	0 kW

Total Ratchet Demand	<u>23,200 kW</u>
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Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 13-Jun-94
 Invoice No.: E94-6-164
 Service To: 2400
 10-Jun-94
 Due Date: 23-Jun-94
 Last Date For Payment: 03-Jul-94
 Interest Rate: 4.285%

Energy	kWh	Charges
See page 2	Total kWh 19,664,400 =====	Total Energy Charges \$415,705.42
Demand	Maximum kW	
See page 2 Time of Demand: 1430 06/06	Total kW 42,109 =====	Total Demand Charges 496,044.02
Customer Charge		1,500.00
Reactive Power Charges - See page 4		3,166.02
		----- \$916,415.46
Facilities Rental - See page 3		18,720.00
	TOTAL CHARGE FOR PERIOD =====>	\$935,135.46 =====

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

MAR 1 1994

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - JUN 94

Meter Readings:

Present	Previous	Constant	kWh	Rate	Charges					
5,393.50	4,925.30	42,000	19,664,400	\$0.02114	\$415,705.42					
<table border="0"> <tr> <td></td> <td></td> <td></td> <td>Firm</td> <td>19,664,400</td> <td></td> </tr> </table>							Firm	19,664,400		
			Firm	19,664,400						
Total Energy			19,664,400							
Total Energy Charges					\$415,705.42					
		Minutes	Hours							
Total in Month:		44,640	744.0000							
(c) Firm:		44,640	744.0000							

Demand	kW	Rate	
1430 06/06	42,109	Firm	
		42,109	\$11.78
		Excess	
Total Demand	42,109	0	11.78
Total Demand Charges			\$496,044.02

Contract Demand 52,000 kW
Ratchet Demand 23,200 kW

Recommended Billing Demands:
Firm 42,109 Maximum kW
Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JUN 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	JUN 93

Total Basis	52,000 kW
-------------	-----------

Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand	23,200 kW
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Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - JUN 94

Reactive power charges:

Lagging reactive power at peak demand: 17,955 kVAR

42,109 kW x .33 = 13,896

Excess lagging reactive charges:

(17,955 - 13,896) x \$0.78 = \$3,166.02

Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

42,109 kW x .25 = 10,527

Min. load measured (excluding readings below 10,527) = 0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$3,166.02

\$3,166.02
=====

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN APZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 11-Jul-94
 Invoice No.: E94-7-164
 Service To: 2400
 10-Jul-94
 Due Date: 21-Jul-94
 Last Date For Payment: 31-Jul-94
 Interest Rate: 4.318%

Energy	kWh		Charges
See page 2	Total kWh	23,629,200	Total Energy Charges \$499,521.29

Demand	Maximum kW		
See page 2	Total kW	47,439	Total Demand Charges 558,831.42
Time of Demand: 1530 06/21		*****	
Customer Charge			1,500.00
Reactive Power Charges - See page 4			6,334.38

			\$1,066,187.09
Facilities Rental - See page 3			18,720.00
TOTAL CHARGE FOR PERIOD ----->			\$1,084,907.09

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

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Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 2

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JUL 94

Meter Readings:				Rate	Charges
Present	Previous	Constant	kWh		
5,956.10	5,393.50	42,000	23,629,200	Firm 23,629,200	\$499,521.29
			Total Energy		
			23,629,200		
Total Energy Charges					\$499,521.29

	Minutes	Hours
Total in Month:	43,200	720.0000
(c) Firm:	43,200	720.0000

Demand	kW	Rate	
1530 06/21	47,439	Firm 47,439	\$11.78
		Excess 0	11.78
Total Demand	47,439		0.00
Total Demand Charges			\$558,831.42

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 47,439 Maximum kW
 Excess 0 kW

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-91)

Page 3

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JUL 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	JUL 93

Total Basis	52,000 kW
-------------	-----------

Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand	23,200 kW
----------------------	-----------

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

Tennessee Valley Authority

POWER INVOICE

TVA 230H (F-CNTR-10-9

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - JUL 94

Page 4

Reactive power charges:

Lagging reactive power at peak demand: 23,776 kVAR

47,439 kW x .33 = 15,655

Excess lagging reactive charges:

(23,776 - 15,655) x \$0.78 = \$6,334.38

Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

47,439 kW x .25 = 11,860

Min. load measured (excluding readings below 11,860) = 0 @ 0

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$6,334.38

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL, KY 42223-1291

Billing Date: 11-Aug-94
 Invoice No.: E94-8-164
 Service To: 2400
 10-Aug-94
 Due Date: 21-Aug-94
 Last Date For Payment: 31-Aug-94
 Interest Rate: 4.470%

Energy	kWh	Charges
See page 2	Total kWh 24,607,800 =====	Total Energy Charges \$520,208.89
Demand	Maximum kW	
See page 2	Total kW 47,477 =====	Total Demand Charges 559,279.06
Time of Demand: 1530 07/20		
Customer Charge		1,500.00
Reactive Power Charges - See page 4		6,354.66
		----- \$1,087,342.61

Facilities Rental - See page 3

18,720.00

TOTAL CHARGE FOR PERIOD =====> \$1,106,062.61
 =====

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

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POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - AUG 94

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
6,542.00	5,956.10	42,000	24,607,800	Firm		
				24,607,800	\$0.02114	\$520,208.89
Total Energy			24,607,800			
Total Energy Charges						\$520,208.89
Total in Month:		Minutes	Hours			
(c) Firm:		44,640	744.0000			
		44,640	744.0000			

Demand	kW		Rate	
1530 07/20	47,477	Firm		
		47,477	\$11.78	\$559,279.06
Total Demand	47,477	Excess	0	11.78
				0.00
Total Demand Charges				\$559,279.06

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 47,477 Maximum kW
 Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - AUG 94

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	AUG 93

Total Basis 52,000 kW
=====

Ratchet Demand

5,000 kW x 0.30 =	1,500 kW
20,000 kW x 0.40 =	8,000 kW
25,000 kW x 0.50 =	12,500 kW
2,000 kW x 0.60 =	1,200 kW
0 kW x 0.70 =	0 kW

Total Ratchet Demand 23,200 kW
=====

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00
=====

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
Power billing - AUG 94

Page 4

Reactive power charges:

Lagging reactive power at peak demand: 23,814 kVAR

47,477 kW x .33 = 15,667

Excess lagging reactive charges:

(23,814 - 15,667) x \$0.78 = \$6,354.66

Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

47,477 kW x .25 = 11,869

Min. load measured (excluding readings below 11,869) = 0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$6,354.66

=====

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 12-Sep-94
 Invoice No.: E94-9-164
 Service To: 2400
 10-Sep-94
 Due Date: 22-Sep-94
 Last Date For Payment: 02-Oct-94
 Interest Rate: 4.705%

Energy	kWh	Charges
See page 2	Total kWh <u>23,322,600</u>	Total Energy Charges \$493,039.76
Demand	Maximum kW	
See page 2 Time of Demand: 1500 08/12	Total kW <u>46,229</u>	Total Demand Charges 544,577.62
Customer Charge		1,500.00
Reactive Power Charges - See page 4		6,203.34
		----- \$1,045,320.72
Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD =====>		----- <u>\$1,064,040.72</u>

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

Handwritten initials/signature

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - SEP 94

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
7,097.30	6,542.00	42,000	23,322,600	Firm 23,322,600	\$0.02114	\$493,039.76
Total Energy			<u>23,322,600</u>			
Total Energy Charges						<u>\$493,039.76</u>
		Minutes	Hours			
Total in Month:		44,640	744.0000			
(c) Firm:		44,640	744.0000			

Demand	kW		Rate	
1500 08/12	46,229	Firm		
		46,229	\$11.78	\$544,577.62
Total Demand	<u>46,229</u>	Excess	0	11.78
				0.00
Total Demand Charges				<u>\$544,577.62</u>

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 46,229 Maximum kW
 Excess 0 kW

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
DEH BUDGET
FT CAMPBELL KY 42223-1291

Billing Date: 12-Oct-93
Invoice No.: E94-10-164
Service To: 2400
10-Oct-93
Due Date: 22-Oct-93
Last Date For Payment: 01-Nov-93
Interest Rate: 3.140%

Energy	kWh	Charges
See page 2	Total kWh 17,488,800 =====	Total Energy Charges \$369,713.23

Demand	Maximum kW	Charges
See page 2 Time of Demand: 1530 09/14	Total kW 43,281 =====	Total Demand Charges 509,850.18

Customer Charge		1,500.00
Reactive Power Charges - See page 4		2,510.04
		----- \$883,573.45

Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD =====>		\$902,293.45
		=====

Make remittance to:
TENNESSEE VALLEY AUTHORITY
PO BOX 1000
DEPARTMENT 87
MEMPHIS TN 38148-0087

Notes:
All times are CST or CDT, whichever is in effect.

MAR

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - OCT 93

Page 2

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges	
2,042.00	1,625.60	42,000	17,488,800	Firm 17,488,800	\$0.02114	\$369,713.23	
			Total Energy	17,488,800			
						Total Energy Charges	\$369,713.23
		Minutes	Hours				
Total in Month:		43,200	720.0000				
(c) Firm:		43,200	720.0000				

Demand	kW		Rate		
1530 09/14	43,281	Firm			
		43,281	\$11.78	\$509,850.18	
		Excess			
Total Demand	43,281	0	11.78	0.00	
				Total Demand Charges	\$509,850.18

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 43,281 Maximum kW
 Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - OCT 93

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	SEP 92

Total Basis	52,000 kW
-------------	-----------

Ratchet Demand

5,000 kW x	0.30	=	1,500 kW
20,000 kW x	0.40	=	8,000 kW
25,000 kW x	0.50	=	12,500 kW
2,000 kW x	0.60	=	1,200 kW
0 kW x	0.70	=	0 kW

Total Ratchet Demand	23,200 kW
----------------------	-----------

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - OCT 93

Page 4

Reactive power charges:

Lagging reactive power at peak demand: 17,501 kVAR

43,281 kW x .33 = 14,283

Excess lagging reactive charges:

(17,501 - 14,283) x \$0.78 = \$2,510.04

Reactive power charges:

Leading reactive power at time of min. load: 0 kVAR

43,281 kW x .25 = 10,820

Min. load measured (excluding readings below 10,820) = 0 @ 0000 00/00

Leading reactive charges: 0 kVAR x \$0.33 = \$0.00

Total Reactive Power Charges \$2,510.04

=====

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 12-Nov-93
 Invoice No.: E94-11-164
 Service To: 2400
 Due Date: 10-Nov-93
 Last Date For Payment: 22-Nov-93
 Interest Rate: 02-Dec-93
 3.138%

Energy	kWh	Charges
See page 2	Total kWh 16,833,600 =====	Total Energy Charges \$355,862.30
Demand	Maximum kW	
See page 2 Time of Demand: 0830 11/08	Total kW 31,412 =====	Total Demand Charges 370,033.36
Customer Charge		1,500.00
		0.00
		----- \$727,395.66
Facilities Rental - See page 3		18,720.00
TOTAL CHARGE FOR PERIOD ----->		\$746,115.66 -----

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes:
 All times are CST or CDT, whichever is in effect.

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POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - NOV 93

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges	
2,442.80	2,042.00	42,000	16,833,600	Firm	16,833,600	\$0.02114	\$355,862.30

Total Energy			16,833,600	-----			

Total Energy Charges						\$355,862.30	-----

		Minutes	Hours				
		-----	-----				
Total in Month:		44,640	744.0000				
(c) Firm:		44,640	744.0000				

Demand	kW		Rate		
0830 11/08	31,412	Firm			
		31,412	\$11.78	\$370,033.36	
Total Demand		31,412	0	11.78	0.00

Total Demand Charges				\$370,033.36	-----

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 31,412 Maximum kW
 Excess 0 kW

POWER INVOICE

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - NOV 93

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	OCT 92

Total Basis	52,000 kW
-------------	-----------

Ratchet Demand

5,000 kW x 0.30	=	1,500 kW
20,000 kW x 0.40	=	8,000 kW
25,000 kW x 0.50	=	12,500 kW
2,000 kW x 0.60	=	1,200 kW
0 kW x 0.70	=	0 kW

Total Ratchet Demand	23,200 kW
----------------------	-----------

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

POWER INVOICE

TVA 230H (F-CNTR-10-91)

873-4254

ATTN AFZB-DE-B
 HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 DEH BUDGET
 FT CAMPBELL KY 42223-1291

Billing Date: 13-Dec-93
 Invoice No.: E94-12-164
 Service To: 2400
 Due Date: 10-Dec-93
 Last Date For Payment: 23-Dec-93
 Interest Rate: 02-Jan-94 3.216%

Energy	kWh	Charges
See page 2	Total kWh 16,468,200	Total Energy Charges \$348,137.75
Demand	Maximum kW	
See page 2	Total kW 32,168	Total Demand Charges 378,939.04
Time of Demand: 0830 12/07		
Customer Charge		1,500.00
		0.00
		<u>\$728,576.79</u>

Facilities Rental - See page 3 18,720.00

TOTAL CHARGE FOR PERIOD -----> \$747,296.79

Make remittance to:
 TENNESSEE VALLEY AUTHORITY
 PO BOX 1000
 DEPARTMENT 87
 MEMPHIS TN 38148-0087

Notes: All times are CST or CDT, whichever is in effect.

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POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - DEC 93

Page 2

Meter Readings:

Present	Previous	Constant	kWh		Rate	Charges
2,834.90	2,442.80	42,000	16,468,200	Firm		
				16,468,200	\$0.02114	\$348,137.75
Total Energy			16,468,200			
Total Energy Charges						\$348,137.75
		Minutes	Hours			
Total in Month:		43,200	720.0000			
(c) Firm:		43,200	720.0000			

Demand	kW		Rate	
0830 12/07	32,168	Firm		
		32,168	\$11.78	\$378,939.04
Total Demand	32,168	Excess	0	11.78
				0.00
Total Demand Charges				\$378,939.04

Contract Demand 52,000 kW
 Ratchet Demand 23,200 kW

Recommended Billing Demands:
 Firm 32,168 Maximum kW
 Excess 0 kW

POWER INVOICE

TVA 230H (F-CNTR-10-91)

HQ 101ST ABN DIV (AASLT) & FT CAMPBELL
 Power billing - DEC 93

Page 3

Ratchet Demand Provision:

Normal Contract	52,000 kW	
plus high excess in prev. 12 mos.	0 kW	NOV 92

Total Basis	52,000 kW
-------------	-----------

Ratchet Demand

5,000 kW x 0.30 =	1,500 kW
20,000 kW x 0.40 =	8,000 kW
25,000 kW x 0.50 =	12,500 kW
2,000 kW x 0.60 =	1,200 kW
0 kW x 0.70 =	0 kW

Total Ratchet Demand	23,200 kW
----------------------	-----------

Facilities rental 52,000 kW (Contract Demand)

(52,000 kW x \$0.36) = \$18,720.00

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE October 3, 1994

GAS INVOICE,
FORT CAMPBELL, KENTUCKY

Billing for September 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>58,555</u>	<u>.03579</u>		<u>2,095.68</u>
COMMODITY:				
NATURAL GAS	<u>58,555</u>	x <u>3.28439</u>	x <u>1.027</u>	<u>197,510.03</u>
PROPANE AIR	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Sub-Total				<u>199,605.71</u>
Net Due				<u>199,605.71</u>

*Cost to us

*NG

**PA

Commodity Rate (Transportation)	<u>.7568</u>	X	<u>1.040</u>	BTUs	<u>.7871</u>
Gas Rate	<u>1.9285</u>	X	<u>1.040</u>	BTUs	<u>2.0056</u>
Plus BTU adj.	<u>2.6853</u>	X	<u>.027</u>	BTUs	<u>.0725</u>
Plus Mark-Up	<u> </u>		<u> </u>		<u>.41919</u>
Total	<u> </u>		<u> </u>		<u>3.28439</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

No. 314-3500

DATE September 9, 1994

VOICE
 FORT CAMPBELL, KENTUCKY
 Billing for August 1994

MEASURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
MEASURE CHARGE:				
	<u>66,794</u>	<u>.03579</u>		<u>2,390.56</u>
COMMODITY:				
NATURAL GAS	<u>66,794</u>	x <u>3.41369</u>	x <u>1.027</u>	<u>234,170.39</u>
PROPANE AIR	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Sub Total TOTAL				<u>236,560.95</u>

Plus adjustment due to modification P00054 for Nov. 166,356.28
 Net Due 402,917.23

*Cost to us			BTUs	**PA
Commodity Rate (Transportation)	<u>.9473</u>	X	<u>1.040</u>	<u>.9852</u>
Gas Rate	<u>1.8591</u>	X	<u>1.040</u>	<u>1.9335</u>
Plus BTU adj.	<u>2.8064</u>	X	<u>.027</u>	<u>.0758</u>
Plus Mark-Up	<u> </u>		<u> </u>	<u>.41919</u>
Total	<u> </u>		<u> </u>	<u>3.41369</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

The City of Clarksville

Gas and Water Department
P.O. Box 387
Clarksville, Tennessee 37041-0387
615-645-7400

Ft Campbell Contract

Revised Billing according to Mod P00054

Month	Consumption		Rate	
11/93	154784	x	.0885*	\$ 13,698.38
12/93	196127	x	.0885*	17,357.24
01/94	223048	x	.0885*	19,739.75
02/94	166054	x	.0885*	14,695.78
03/94	160516	x	.0885*	14,205.67
04/94	88738	x	.0885*	7,853.31
05/94	63000	x	.0885*	5,575.50
06/94	60654	x	.0885*	5,367.88
07/94	<u>64908</u>	x	<u>.0885*</u>	<u>5,744.36</u>
	1177829	x	.0885*	\$104,237.87

*Difference in New Rate and Old Rate.

This replaces adjustment billed on August 1994 bill dated 9/9/94 of \$166,356.28.

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE August 4, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for, July 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
_____	<u>64,908</u>	<u>.029489</u> ✓	<u>1.024</u>	<u>1,960.01</u>
COMMODITY:				
<u>NATURAL GAS</u>	<u>64,908</u>	x <u>3.4962</u>	x <u>1.024</u>	<u>232,377.70</u>
<u>PROPANE AIR</u>	_____	_____	_____	_____
Sub-Total				<u>234,337.71</u>
Less refund from TN Gas Pipeline on IT transportation				
Net Due				<u>234,337.71</u>

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>1.1703</u>	X	<u>1.040</u>	BTUs <u>1.2171</u>
Gas Rate	<u>1.7988</u>	X	<u>1.040</u>	BTUs <u>1.8708</u>
Plus BTU adj.	<u>2.9691</u>	X	<u>.024</u>	BTUs <u>.0713</u>
Plus Mark-Up	_____		_____	<u>.336955</u>
Total	_____		_____	<u>3.4962</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE July 8, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for June 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>60,654</u>	<u>.029489</u>	<u>1.024</u>	<u>1,831.55</u>
COMMODITY:				
NATURAL GAS	<u>60,654</u>	x <u>3.5168</u>	x <u>1.024</u>	<u>218,427.38</u>
PROPANE AIR	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Sub-Total				<u>220,258.93</u>

Less refund from TN Gas Pipeline on IT transportation (45,726.81)
Net Due 174,532.12

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>1.0472</u>	X	<u>1.040</u>	BTUs <u>1.0891</u>
Gas Rate	<u>2.0159</u>	X	<u>1.040</u>	BTUs <u>2.0965</u>
Plus BTU adj.	<u>3.0631</u>	X	<u>.024</u>	BTUs <u>.0735</u>
Plus Mark-Up	<u> </u>		<u> </u>	<u>.336955</u>
Total	<u> </u>		<u> </u>	<u>3.5961</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE June 10, 1994

8
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2

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for May 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>63,000</u>	<u>.029489</u>		<u>1,857.81</u>
COMMODITY:				
NATURAL GAS	<u>63,000</u>	x <u>3.4033</u>	x <u>1.027</u>	<u>220,196.91</u>
PROPANE AIR				
Sub-Total				<u>222,054.72</u>

Less-Correction for Credit on Take-or-Pay previously paid
plus Take-or-Pay Demand Surcharge Order #528-A same
Net Due

222,054.72

Cost to us

			*NG	**PA
Commodity Rate (Transportation)	<u>2.4268</u>	X	<u>1.040</u>	BTUs <u>2.5239</u>
Gas Rate	<u>.4470</u>	X	<u>1.040</u>	BTUs <u>.4649</u>
plus BTU adj.	<u>2.8738</u>	X	<u>.027</u>	BTUs <u>.07759</u>
plus Mark-Up				<u>.336955</u>
Total				<u>3.4033</u>

Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE May 10, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for April 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
_____	<u>88,738</u>	<u>.029489</u>		<u>2,616.79</u>
COMMODITY:				
NATURAL GAS	<u>88,738</u>	x <u>3.5168</u>	x <u>1.028</u>	<u>320,811.86</u>
PROPANE AIR	_____	_____	_____	_____
Sub-Total				<u>323,428.65</u>

Less-Correction for Credit on Take-or-Pay previously paid _____
 Plus Take-or-Pay Demand Surcharge Order #528-A same _____
 Net Due 323,428.65

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>2.3767</u>	X	<u>1.040</u>	BTUs <u>2.4718</u>
Gas Rate	<u>.9250</u>	X	<u>1.040</u>	BTUs <u>.9620</u>
Plus BTU adj.	<u>3.3017</u>	X	<u>.028</u>	BTUs <u>.0924</u>
Plus Mark-Up	_____		_____	_____
Total	_____		_____	<u>3.36955</u>
				<u>3.8632</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE April 8, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for March 1994

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
<hr/>	<u>160,516</u>	<u>.029489</u>		<u>4,733.46</u>
COMMODITY:				
<u>NATURAL GAS</u>	<u>160,516</u>	x <u>3.5168</u>	x <u>1.027</u>	<u>597,744.24</u>
<u>PROPANE AIR</u>	<hr/>	<hr/>	<hr/>	<hr/>
Sub-Total				<u>584,477.70</u>

Less-Correction for Credit on Take-or-Pay previously paid
Plus Take-or-Pay Demand Surcharge Order #528-A same
Net Due 584,477.70

*Cost to us		*NG		**PA	
Commodity Rate (Transportation)	<u>.8898</u>	X	<u>1.040</u>	BTUs	<u>.9254</u>
Gas Rate	<u>2.4298</u>	X	<u>1.040</u>	BTUs	<u>2.5270</u>
Plus BTU adj.	<u>3.3196</u>	X	<u>.027</u>	BTUs	<u>.0896</u>
Plus Mark-Up	<hr/>		<hr/>		<u>.336955</u>
Total	<hr/>		<hr/>		<u>3.8790</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE March 10, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for February 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>166,054</u>	<u>.029489</u>		<u>4,896.77</u>
COMMODITY:				
NATURAL GAS	<u>166,054</u>	<u>3.5168</u>	<u>1.024</u>	<u>597,994.20</u>
PROPANE AIR				
Sub-Total				<u>602,890.97</u>
Less-Correction for Credit on Take-or-Pay previously paid				
Plus Take-or-Pay Demand Surcharge Order #528-A same				
Net Due				<u>602,890.97</u>

*Cost to us

			*NG	**PA
Commodity Rate (Transportation)	<u>.721</u>	X	<u>1.040</u>	BTUs <u>.7498</u>
Gas Rate	<u>2.424</u>	X	<u>1.040</u>	BTUs <u>2.5210</u>
Plus BTU adj.	<u>3.145</u>	X	<u>.024</u>	BTUs <u>.0755</u>
Plus Mark-Up				<u>.336955</u>
Total				<u>3.6833</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

Rate

FORT CAMPBELL BILLING

ACCOUNT No: 314-3500

DATE February 10, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for January 1994

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>223,048</u>	<u>.029489</u>		<u>6,577.46</u>
COMMODITY:				
NATURAL GAS	<u>223,048</u>	<u>x 3.5168</u>	<u>x 1.024</u>	<u>803,241.17</u>
PROPANE AIR				
Sub-Total				<u>809,818.63</u>

Less-Correction for Credit on Take-or-Pay previously paid
Plus Take-or-Pay Demand Surcharge Order #528-A same
Net Due 809,818.63

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>.8176</u>	X	<u>1.040</u>	BTUs <u>.8503</u>
Gas Rate	<u>2.4388</u>	X	<u>1.040</u>	BTUs <u>2.5364</u>
Plus BTU adj.	<u>3.2564</u>	X	<u>.024</u>	BTUs <u>.0782</u>
Plus Mark-Up				<u>.336955</u>
Total				<u>3.8019</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE January 10, 1994

GAS INVOICE
FORT CAMPBELL, KENTUCKY

781

Billing for December 1993

232

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>196,127</u>	<u>.029489</u>		<u>5,783.59</u>
COMMODITY:				
NATURAL GAS	<u>196,127</u>	x <u>3.5168</u>	x <u>1.022</u>	<u>704,913.70</u>
PROPANE AIR				
Sub-Total				<u>710,697.29</u>

Less-Correction for Credit on Take-or-Pay previously paid
Plus Take-or-Pay Demand Surcharge Order #528-A same
Net Due 710,697.29

*Cost to us			*NG	**PA
Commodity Rate (Transportation)	<u>.7719</u>	X	<u>1.040</u>	BTUs <u>.8028</u>
Gas Rate	<u>2.568</u>	X	<u>1.040</u>	BTUs <u>2.6707</u>
Plus BTU adj.	<u>3.3399</u>	X	<u>.022</u>	BTUs <u>.0735</u>
Plus Mark-Up				<u>.336955</u>
Total				<u>3.8840</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE December 10, 1993

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for November 1993

PRESSURE BASIS: 14.65

DESCRIPTION	VOLUME	RATE	AVERAGE CALORIFIC VALUE	AMOUNT
DEMAND CHARGE:				
	<u>154.784</u>	<u>.029489</u>		<u>4,564.43</u>
COMMODITY:				
NATURAL GAS	<u>154,784</u>	<u>3.5168</u>	<u>1.025</u>	<u>557,952.98</u>
PROPANE AIR				
Sub-Total				<u>562,517.41</u>

Less-Correction for Credit on Take-or-Pay previously paid
plus Take-or-Pay Demand Surcharge Order #528-A same
Net Due

562,517.41

Cost to us

	*NG	**PA
Commodity Rate (Transportation)	<u>.8806</u>	
Gas Rate	<u>1.040</u>	BTUs <u>.9158</u>
Gas BTU adj.	<u>1.040</u>	BTUs <u>2.4328</u>
Gas Mark-Up	<u>.025</u>	BTUs <u>.0805</u>
Total		<u>3.36955</u>
		<u>3.766055</u>

Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.
Rate

UNIVERSITY OF KENTUCKY LIBRARY

FORT CAMPBELL BILLING

ACCOUNT No. 314-3500

DATE November 10, 1993

GAS INVOICE
FORT CAMPBELL, KENTUCKY

Billing for October 1993

PRESSURE BASIS: 14.65

<u>DESCRIPTION</u>	<u>VOLUME</u>	<u>RATE</u>	<u>AVERAGE CALORIFIC VALUE</u>	<u>AMOUNT</u>
DEMAND CHARGE:				
	<u>84,053</u>	<u>.029489</u>		<u>2,478.64</u>
COMMODITY:				
NATURAL GAS	<u>84,053</u>	x <u>3.5168</u>	x <u>1.030</u>	<u>304,465.52</u>
PROPANE AIR				
Sub-Total				<u>306,944.16</u>

Less-Correction for Credit on Take-or-Pay previously paid _____
 Plus Take-or-Pay Demand Surcharge Order #528-A same _____
 Net Due 306,944.16

*Cost to us		*NG	**PA
Commodity Rate (Transportation)	<u>.5334</u>	X <u>1.040</u>	BTUs <u>.5547</u>
Gas Rate	<u>2.6726</u>	X <u>1.040</u>	BTUs <u>2.7795</u>
Plus BTU adj.	<u>3.206</u>	X <u>.030</u>	BTUs <u>.0962</u>
Plus Mark-Up			<u>.336955</u>
Total			<u>3.767355</u>

*Rate adjusted to lowest rate offered for gas sold to any customer per contract agreement.

* Rate

REIMBURSABLE
CUSTOMERS

TO FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$66.15 (2333)	REFUSE:	COLL:	DYDC	83%	\$7.74 (250Z)	EOE	250Z	\$9.32
	WTR:	DJAC	\$2.40 (2333)		DISP:	DYDB	17%	\$1.50 (250Z)	EOE	2333	\$182.12
	SWG:	DJEC	\$0.77 (2333)								
	BAS:	DJNK	\$112.80 (2333)								

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
AMERICAN FEDERATION OF GOVT EMPLOYEES BLOB 2110	ELECTRICITY	EST 1097	KWH	.0603	\$66.15
	WATER	EST 1,000	M GAL	.6500	\$2.40
	SEWERAGE	EST 800	M GAL	.8451	\$0.77
	GAS	EST 245	THM	.4604	\$112.80
	REFUSE	4	CU YD	2.40	\$9.32

CN: 168975
 MAILING ADDRESS:
 P.O. BOX 3
 FORT CAMPBELL, KY 42223
 BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *James L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$191.44

FINANCE AND ACCOUNTING OFFICE : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 : FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC: DJJC \$3,280.98 (2333) REFUSE:				
	WTR: DJAC \$225.79 (2333)				
	GAS: DJNK \$2,389.85 (2333) STEAM: DJNK \$1,103.15 (2333)			EDE	2333 \$6,998.97

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
ARMY GUEST HOUSE BLDG 2601	ELECTRICITY (MTR #55-015-507)	28480	KWH	0.0532	\$1,515.14
	ELECTRICITY FOR A/C	0	KWH	0.0532	\$3.60
	WATER	275000	M GAL	0.3773	\$103.76
	GAS	2199	THERM	0.4354	\$957.39
	CREDIT FOR VENDING MACHINE	-358	KWH	0.0532	(\$19.05)
KITCHENETTE	ELECTRICITY (MTR #78-415-322)	1844	KWH	0.0532	\$98.10
KITCHENETTE	GAS	3288	THERM	0.4354	\$1,431.66
GUEST HOUSE ANNEX	ELECTRICITY EST	31997	KWH	0.0532	\$1,702.24
	WATER EST	323419	M GAL	0.3773	\$122.03
ICN: 180975	STEAM (OCT-SEP)	146.25	K LB	7.5429	\$1,103.15
	CREDIT FOR VENDING MACHINE	-358	KWH	0.0532	(\$19.05)
BILLED IN ACCORDANCE WITH AR 420-41.					

SIGNATURE : *Janice J. Duff*
 CHARLES L. MAY, SALES OFFICER

DOCUMENT NO. : SHEET NO. : NO. OF SHEETS : REGISTER/VOUCHER NO. : UT- 889 -95 : DATE : 04/20/95
 COMPONENT OF THIS FORM IS DEH : 1 : 1 : CONTRACT NO. : PERIOD COVERED : 03/01/95-03/31/95

FINANCE AND ACCOUNTING OFFICE FROM
 FORT CAMPBELL, KY 42223-5000
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$646.48 (2333)
 GAS: DJNK \$148.04 (2333)
 WTR: DJAC \$18.18 (2333)

EDE 2333 \$812.70
 COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST
1101 CLUB VOLLEYBALL COURT	ELECTRICITY	9360	KWH	.0532
	ELECTRICITY	2792		
	GAS	340	THERM	.4354
	WATER	54900	K GAL	.3773

TOTAL \$812.70

CN: 18V975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV)
 1 MAY 79

SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 868 -95 DATE 03/01/75-03/31/75
 FINANCE AND ACCOUNTING OFFICE FORT CAMPBELL, KY 42223-5000 DIRECTORATE OF PUBLIC WORKS FORT CAMPBELL, KY 42223-1291
 PERIOD COVERED

TO FROM

FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$3.60	(2333)	WTR:	DJAC	\$2.40	(2333)	SWG:	DJEC	\$1.93	(2333)	GAS:	DJNK	\$4.69	(2333)	EDE	2333	\$12.62
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DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
WESTBYRD, INC. BLDG 2265	ELECTRICITY	25	KWH	.8603	\$3.60
	WATER	2500	M GAL	.8795	\$2.40
	SEWAGE	2000	M GAL	.8143	\$1.93
	GAS	10	THM	.4604	\$4.69

CR: 167975

MAILING ADDRESS:
 115 N. WILSON AVENUE
 DUNN, N.C. 28334

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice J. Pugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$12.62

PURCHASEMENT DOCUMENT
 THE PROPONENT OF THIS FORM IS DEH) SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 870 -95 DATE 04/20/95
 PERIOD COVERED 03/01/95-03/31/95

TO FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$44.50 (2333)
 WTR: DJAC \$2.40 (2333)
 GAS: DJNK \$62.88 (2333)
 EOE 2333 \$109.78

DESCRIPTION OF MATERIEL AND/OR SERVICES COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST
UNIQUE CLEANING SERVICE	ELECTRICITY	738	KWH	.603
BLDG 2151	WATER	2,640	M GAL	.8795
	GAS	136.58	THERM	.8143

CN: 16975

MAILING ADDRESS:
 221 DALE TERRACE
 CLARKSVILLE, TN 37042
 TEL (615)648-3974

BILLED IN ACCORDANCE WITH CIR 415-3-7.

SIGNATURE *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$109.78

CONTRACT DOCUMENT SHEET NO. NO. OF SHEETS REGISTER/VOUCHER NO. UT- 887 -95 DATE 04/20/95
 THE PROPONENT OF THIS FORM IS DEH) 1 1 CONTRACT NO. PERIOD COVERED 03/01/95-03/31/95

TO FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELD: DJJC \$161.73 (2333) REFUSE: DMDC \$74.56 (25CZ)
 GAS: DJNK \$155.13 (2333)
 WTR: DJAC \$5.09 (2333)
 SEW: DJEC \$4.47 (2333)
 EOE 25CZ \$74.56
 EOE 2333 \$326.42

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
TENNESSEE NATIONAL GUARD	ELECTRICITY	3040	KWH	.532	\$161.73
BLDG 6070	GAS	356	THERM	.434	\$155.13
	WATER	13500	K GAL	.3773	\$5.09
	SEWAGE	10800	K GAL	.4140	\$4.47
	REFUSE	32	CY	2.3331	\$74.56

ICN: 5A0275
 BILL IN ACCORDANCE WITH AR 420-41.
 SIGNATURE: *James L. May*
 CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV) 1 MAY 79 TOTAL \$400.98

PURCHASE DOCUMENT : SHEET NO. : NO. OF SHEETS : REGISTER/VOUCHER NO. UT- 851 -94 : DATE : 04/21/79
 COMPONENT OF THIS FORM IS DEH : 1 : 1 : CONTRACT NO. : PERIOD COVERED : 03/01/75-03/31/75

FINANCE AND ACCOUNTING
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$131.57 (2333)	REFUSE:	COLL:	DMDG 83%	\$63.74 (250Z)
	WTR:	DJAC	\$5.28 (2333)	DISP:	DMDG 17%		\$13.06 (250Z)
	SMG:	DJEC	\$3.91 (2333)				EDE 250Z \$76.80
	GAS:	DJNK	\$140.61 (2333)				EDE 2333 \$281.37

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
TAYLOR BUS SALES, INC.	ELECTRICITY	2,182	KWH	0.0603	\$131.57
	WATER	6,000	M GAL	0.8795	\$5.28
	SEWAGE	4,000	M GAL	0.8143	\$3.91
	REFUSE	32	CU YD	2.4031	\$76.80
	GAS	305	THERM	0.4604	\$140.61

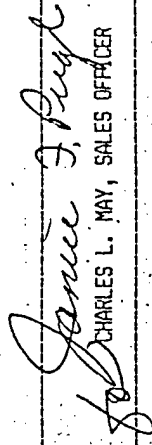
CN: 17X975

MAILING ADDRESS:

RT #4, P.O. BOX 389
 MURRAY, KY 42071

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE


 CHARLES L. MAY, SALES OFFICER

TOTAL \$358.17

FC FORM 223 (REV)

1 MAY 79

FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$194.63 (2333)
 WTR: DJAC \$18.33 (2333)

EOE 2333 \$212.96

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
TRIDING STABLE 6601 (30%) BLDG 6601 (30%)	ELECTRICITY WATER	104.7 4411.8	KWH K GAL	0.0532 0.3773	\$5.57 \$2.40
TRIDING STABLE 6602 (30%) BLDG 6602 (30%)	ELECTRICITY WATER	107.7 4537.8	KWH K GAL	0.0532 0.3773	\$5.73 \$2.40
RESALE STABLES 6603 (100%) BLDG 6603 (100%)	ELECTRICITY WATER	3095 10418	KWH K GAL	0.0532 0.3773	\$164.65 \$3.93
KENNEL 6617 (100%) BLDG 6617 (100%)	ELECTRICITY WATER	41 2894	KWH K GAL	0.0532 0.3773	\$3.60 \$2.40
STABLE RENT 6619 (30%) BLDG 6619 (30%)	ELECTRICITY WATER	148.2 6250.5	KWH K GAL	0.0532 0.3773	\$7.88 \$2.40
HAY BARN 6619A (30%) BLDG 6619A (30%)	ELECTRICITY WATER	3 288.5	KWH K GAL	0.0532 0.3773	\$3.60 \$2.40
INDOOR KENNEL 6620 (100%) BLDG 6620 (100%)	ELECTRICITY WATER	42 2981	KWH K GAL	0.0532 0.3773	\$3.60 \$2.40
STABLES 6620 (100%) BLDG 6620 (100%)	ELECTRICITY WATER	0 0	KWH K GAL	0.0532 0.3773	\$0.00 \$0.00

BILLED IN ACCORDANCE WITH AR 420-41. CN:180973
 SIGNATURE *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$212.96

REBURSABLE DOCUMENT SHEET NO. NO. OF SHEETS VOUCHER NO. UT- 888 -95 DATE 04/20/95
 PROponent OF THIS FORM IS DEH) 1 1 CONTRACT NO. 03/01/95-03/31/95

TO FROM
 FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND ELC: DJJC \$1,442.78 (2333)
 FUNDING DATA PP6: DJNK \$0.00 (26EL) \$0.00
 WTR: DJAC \$14.05 (2333) \$1,456.83

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
SPORTSMAN LODGE	ELECTRICITY	27120	KWH	.0532	\$1,442.78
BLDG 6644		0	GAL	.5120	\$8.00
	WATER	37249	K GAL	.3773	\$14.05

ICN: 18P975
 BILLED IN ACCORDANCE WITH AR 420-41.
 SIGNATURE *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,456.83
 FC FORM 225 (REV) 1 MAY 79
 8

REIMBURSEMENT DOCUMENT
 PROPOONENT OF THIS FORM IS DEH

SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 864 -95 DATE 04/20/95
 CONTRACT NO. PERIOD COVERED 03/01/95-03/31/95

TO FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

FROM

ACCOUNTING AND FUNDING DATA

ELC:	DJJC	\$544.94	(2333)
WTR:	DJAC	\$3.44	(2333)
GAS:	DJNK	\$780.10	(2333)

EDE 2333 \$1,328.48

DESCRIPTION OF MATERIEL AND/OR SERVICES COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
U.S. POST OFFICE BLDG 91	ELECTRICITY	10,243	KWH	0.0532	\$544.94
MICHIGAN AVE FORT CAMPBELL, KY	WATER	9,120	M GAL	0.3773	\$3.44
42223	GAS	1792	THERM	0.4354	\$780.10

CN: 176875

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice F. Pugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,328.48

FC FORM 223 (REV)

1 MAY 79

A

REIMBURSEMENT DOCUMENT SHEET NO. 0375 REGISTER/VOUCHER NO. UT-810-94 DATE 03/10/95
 (THE PROPONENT OF THIS FORM IS DEH) NO. OF SERVICES 1 NO. OF SERVICES 1 PERIOD COVERED 02/11/95-03/10/95
 CONTRACT NO.

TO FINANCE AND ACCOUNTING DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

FROM:
 ELC: DJUC \$655.00 (2333) REFUSE: COLL: DMDC 83% \$127.49 (250Z)
 WTR: DJAC \$3.62 (2333) DISP: DMDB 17% \$26.11 (250Z)
 SWG: DJEC \$3.57 (2333)

ACCOUNTING AND FUNDING DATA EOE \$153.60
 EOE \$662.19

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
PARCABLE, INC. BLDG 923	ELECTRICITY (NTR #C1200)	11,989	KWH	0.0603	\$655.00
	WATER	5,280	M GAL	0.6650	\$3.62
	SEWAGE	4,224	M GAL	0.8451	\$3.57
	REFUSE	64	CU YD	2.4031	\$153.60

-CN: 175975

MAILING ADDRESS:
 P.O. BOX 260
 625 NORTH STATE STREET
 JACKSON, MS 39205

BILLED IN ACCORDANCE WITH CIR 415-3-7.

SIGNATURE *James J. Pugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$815.79

MENT DOCUMENT
OF THIS FORM IS DEH)

SHEET NO. 1

NO. OF SHEETS 1

REORDER VOUCHER NO. UT- 885 -95

CONTRACT NO.

DATE 04/20/79

PERIOD COVERED 03/01/95-03/31/95

FROM

FINANCE AND ACCOUNTING OFFICE
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND
FUNDING DATA

ELC: DJJC \$74.32 (2333)
WTR: DJAC \$4.58 (2333)

2333 \$78.90

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

ORGANIZATION

QUANTITY

UNIT

UNIT COST

PARACHUTE CLUB
Bldg 2519

1377

KWH

0.0532

\$74.32

WATER

12144

K GAL

0.3773

\$4.58

CN: 18F975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

Charles L. May
CHARLES L. MAY, SALES OFFICER

TOTAL

\$78.90

FC FORM 223 (REV)

1 MAY 79

B

67

FORM IS DEH) : SHEET NO. : NO. OF SHEETS : REGISTER/VOUCHER NO. : UT- 874 -95 : DATE : 04/20/95 : PERIOD COVERED : 03/01/95 - 03/31/95

FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$3,404.80 (2333)
 WTR: DJAC \$107.74 (2333)
 GAS: DJNK \$975.12 (2333)

EDE 2333 \$4,487.66

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	DESCRIPTION OF MATERIEL AND/OR SERVICES	COST
FORT CAMPBELL	ELECTRICITY	64000	KWH	0.0532		\$3,404.80
OFFICER'S CLUB	WATER	285546	M GAL	0.3773		\$107.74
BLDG 1501	GAS	2240	THERM	0.4354		\$975.12
TOTAL						\$4,487.66

CN: 184975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *James S. Pugh*
 CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV)
 1 MAY 79

B

TO DL, A 436TH MAW FROM
 CAAF
 FORT CAMPBELL, KY 42223

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$207.48	(2333)	REFUSE:	COLL:	DMDC 83%	\$6.96	(25CZ)
	WTR:	DJAC	\$15.28	(2333)	DISP:	DMDB 17%		\$1.43	(25CZ)
	SNG:	DJEC	\$11.55	(2333)					EDE 25CZ
	GAS:	DJNK	\$376.75	(2333)					EDE 2333

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
DL-U, 621st AMOG CAAF	ELECTRICITY	3,900	KWH	0.0532	\$207.48
	WATER	40,500	K GAL	0.3773	\$15.28
	SEWAGE	27,900	K GAL	0.4140	\$11.55
	REFUSE	4	CU YD	2.3331	\$8.39
	GAS	865	THERM	0.4354	\$376.75

*As per telephone conversation with MSG Flowers, 45% credit for gas. Summer months

AV STR: 9
 CN: 5A1775
 MAILING ADDRESS:
 DL-U, 621st AMOG
 CAAF

BILLED IN ACCORDANCE WITH AR 420-41.
 SIGNATURE *Charles L. May*
 CHARLES L. MAY, SALES OFFICER
 FC FORM 223 (REV) 1 MAY 79
 TOTAL \$619.45

DOCUMENT NO. : SHEET NO. : NO. OF SHEETS : MASTER/VOUCHER NO. : UT- 876 -95 : DATE : 04/23/79
 PROPOSER OF THIS FORM IS DEH : 1 : 1 : CONTRACT NO. : PERIOD COVERED : 03/01/95-03/31/95

TO : FINANCE AND ACCOUNTING OFFICE : FROM : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 : FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA : ELC: DJJC \$379.21 (2333)
 WTR: DJAC \$6.34 (2333)
 SEW: DJEC \$0.00 (2333)
 GAS: DJNK \$510.61 (2333)

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
INCD CLUB	ELECTRICITY	7128	KWH	.0532	\$379.21
	WATER	16800	M GAL	.3773	\$6.34
	SEWAGE	0	K GAL	.4140	\$0.00
	GAS	1173	THM	.4354	\$510.61
TOTAL					\$896.16

ICN: 186975

MAILING ADDRESS:
 BLDG 2577
 FORT CAMPBELL, KY

BILLED IN ACCORDANCE WITH BR 420-41.

SIGNATURE : *Janice J. Pugh*
 FOR CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV)
 1 MAY 79

STATEMENT DOCUMENT SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 856 -94 DATE 04/20/79
 COMPONENT OF THIS FORM IS DERIVED FROM CONTRACT NO. 03/01/95-03/31/95

FINANCE AND ACCOUNTING DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$718.60	(2333)	REFUSE:	COLL:	DMDC 83%	\$61.88	(2507)
	WTR:	DJAC	\$10.14	(2333)		DISP:	DMDB 17%	\$12.68	(2507)
	SWG:	DJEC	\$5.73	(2333)					EDE
	GAS:	DJNK	\$18.75	(2333)					EDE
									2507
									2333
									\$74.56
									\$753.22

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	COST
Nationsbank of Ky 29TH & MICHIGAN FORT CAMPBELL, KY 42223	ELECTRICITY (MTR #12-525-633)	6,760	KWH	\$407.63
	WATER	8797	M GAL	\$7.74
	SEWAGE	7038	M GAL	\$5.73
	REFUSE	32	CY	\$74.56
	GAS	41	THM	\$18.75
				SUBTOTAL
				\$514.41
* DRIVE-IN BRANCH 55TH & INDIANA CN: 16N975	ELECTRICITY	5,157	KWH	\$310.97
	WATER	0	M GAL	\$2.40
				SUBTOTAL
				\$313.37

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice Pugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$827.78

PERIOD COVERED 03/01/95-03/31/95
 DATE 04/20/95
 REGISTER/VOUCHER NO. UT- 878 -95
 CONTRACT NO.
 NO. OF SHEETS 1
 SHEET NO. 1
 FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC \$2,146.68	(2333)	REFUSE:	COLL: DMDC 83%	\$478.08	(2502)	EDE	2502	\$576.00
	DJAC	\$45.73	(2333)	DISP:	DMDB 17%	\$97.92 <td>(2502)</td> <td>EDE</td> <td>2333</td> <td>\$2,694.97</td>	(2502)	EDE	2333	\$2,694.97
	DJEC	\$33.87	(2333)							
	DJNK	\$468.69	(2333)							

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
KRM INVESTMENT COMPANY (FOR KENTUCKY FRIED CHICKEN LOCATED AT FT CAMPBELL, KENTUCKY)	ELECTRIC	35600	KWH	.6603	\$2,146.68
	WATER	52000	M GAL	.8795	\$45.73
	SEWAGE	41600	M GAL	.8143	\$33.87
	REFUSE	240	30/YD COMPACTOR (2 time a week)	2.40	\$576.00
	GAS	1018	THERM	.4604	\$468.69

CN: 19R975
 MAILING ADDRESS:
 2724 UTAH DRIVE
 BOWLING GREEN, KY 42101
 TEL# (502) 782-1188 OR (502) 842-1534

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$3,270.97
 FC FORM 223 (REV) 1 MAY 79

ORDER DOCUMENT
 PORTION OF THIS FORM IS DEH

SHEET NO. 1

NO. OF SHEETS 1

REGISTER/VOUCHER NO. UT-849-94
 CONTRACT NO.

DATE
 PERIOD COVERED

04/2
 03/01/95-03/31/95

FROM

FINANCE AND ACCOUNTING
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND
 FUNDING DATA

ELC: DJJC \$114.91 (2333)
 WTR: DJAC \$6.56 (2333)
 SWG: DJEC \$5.76 (2333)

GAS: DJWK \$59.11 EOE 2333 \$186.34

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
LOUISVILLE CORPS OF ENGINEERS BLDG 2180	ELECTRICITY	2,160	KWH	0.0532	\$114.91
	WATER	17,391	M GAL	0.3773	\$6.56
	SEWAGE	13,913	M GAL	0.4140	\$5.76
	GAS	136	THERM	0.4354	\$59.11
TOTAL					\$186.34

CN: 154775

MAILING ADDRESS:
 P.O. BOX 427
 CLARKSVILLE, TN 37040

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

Janice J. Pugh
 CHARLES L. MAY, SALES OFFICER

FC FORM 223 (REV)
 1 MAY 79

SHEET NO. : 1 : NO. OF SHEETS : 1 : REGISTER/VOUCHER NO. : UT- 883 -95 : DATE : 04/28/95
 ELEMENT OF THIS FORM IS DEH : 1 : CONTRACT NO. : 03/01/95-03/31/95

FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA : DJJC \$2,813.22 (2333) : EOE : 2507 : \$0.00
 : DJAC \$27.11 (2333) : : 2333 : \$2,875.79
 : DJNK \$35.46 (2333) : : : :
 : DJSK \$0.00 (2507) : : : :

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
HOPPER BOWLING CENTER BLDG 5380	ELECTRICITY	52880	KWH	0.0532	\$2,813.22
	WATER	68480	K GAL	0.3773	\$27.11
	GAS	81	THERM	0.4354	\$35.46
	GREASE TRAPS	0			\$0.00

GREASE TRAPS ARE \$20.00 PER PUMPING AND \$1.18 GAL FOR DISPOSAL

CN: 189975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

James J. Ruff
 CHARLES L. MAY, SALES OFFICER

TOTAL \$2,875.79

FC FORM 223 (REV)
 1 MAY 79

B

TO FINANCE AND ACCOUNTING DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$17.05	(2333)	REFUSE:	COLL:	DWDC	83%	\$55.31	(250Z)
	WTR:	DJAC	\$8.63	(2333)	DISP:	DWDB	17%	\$11.33	(250Z)	
	SWG:	DJEC	\$8.52	(2333)					EDE	\$66.64
	GAS:	DJNK	\$38.99	(2333)					EDE	\$73.19

DESCRIPTION OF MATERIEL AND/OR SERVICES COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST
MARION F. KADUNC (GREYHOUND LINES) BLDG 2699	ELECTRICITY (MTR #39332898)	223	KWH	0.0603
CHARGED 26% OF MTR READING	ELECTRICITY (MTR #39-332-898)	58	KWH	0.0603
	WATER	12,600	M GAL	0.6500
	SEWAGE	10,080	M GAL	0.8451
	REFUSE	17	CU YD	2.4031
	GAS	85	THM	0.4604

CN: 160975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice F. Rye*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$139.83

GOVERNMENT DOCUMENT
 COMPONENT OF THIS FORM IS DEH
 SHEET NO. 1
 NO. OF SHEETS 1
 UT- 880 -95
 DATE 04/20/75
 PERIOD COVERED 03/01/95-03/31/95

TO FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 FROM DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$1,232.80 (2333)
 WTR: DJAC \$29.40 (2333)
 OIL: DJNC \$312.84 (266M)
 PFG: DJNK \$78.85 (26EL)
 26EL \$78.85
 26GM \$312.84
 2333 \$1,262.20

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
GOLF COURSE	ELECTRICITY (1601 & 1603)	18560	KWH	0.0532	\$987.39
HOUSE/SNACK BAR	WATER	42347	K GAL	0.3773	\$15.98
BLDG 1601	FUEL OIL (OCT-SEP)	474	GAL	0.6600	\$312.84
MAINTENANCE (EST)	ELECTRICITY	1382	KWH	0.0532	\$73.52
BLDG 1568	WATER	8833	K GAL	0.3773	\$33.33
	PROPANE (OCT-SEP)	154	GAL	0.5120	\$78.85
MAINTENANCE (EST)	ELECTRICITY	231	KWH	0.0532	\$12.29
BLDG 1569	WATER	15155	K GAL	0.3773	\$5.72
MAINTENANCE	WATER	11575	K GAL	0.3773	\$4.37
GOLF COURSE	ELECTRICITY	3000	KWH	0.0532	\$159.60
PUMP STATION					

ICN: 18B975
 BILL IN ACCORDANCE WITH AR 420-41.
 SIGNATURE *Paul James J. Rayb*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,653.89
 FC FORM 223 (REV)
 1 MAY 79
 B

PURCHASE DOCUMENT : SHEET NO. : NO. OF SHEETS : REGISTER/VOUCHER NO. : UT- 834 -95 : DATE : /95
 COMPONENT OF THIS FORM IS DEH) : 1 : 1 : CONTRACT NO. : PERIOD COVERED : 02/11/75-03/10/75

FROM
 FINANCE AND ACCOUNTING OFFICE : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 : FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$689.47	(2333)					
		DJAC	\$17.26	(2333)					
		DJNK	\$195.02	(2333)					
					EDE	2333			\$901.75

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
GARDNER BOWLING LANES	ELECTRIC	12960	KWH	.0532	\$689.47
	WATER	52100	K GAL	.3312	\$17.26
	GAS	448	THERM	.4354	\$195.02

CN: 18A975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE : *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$901.75

FC FORM 223 (REV)

1 MAY 79

B

FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC \$17,844.68	(2333)	REFUSE:	COLL:	DMDC 83%	\$2,988.59	(25CZ)
	WTR:	DJAC \$485.83	(2333)		DISP:	DMDB 17%	\$595.73	(25CZ)
	SWG:	DJEC \$426.29	(2333)					EDE 25CZ \$3,504.32
	GAS:	DJNK \$9,754.73	(2333)					EDE 2333 \$27,711.53

DESCRIPTION OF MATERIEL AND/OR SERVICES

FT CAMPBELL SCHOOLS:	UTILITY	QUANTITY	UNIT	UNIT COST	COST
LINCOLN SCHOOL 8 TRLS	ELECTRICITY	350	KWH	0.0532	\$19.15
	WATER	100,000	M GAL	0.3773	\$37.73
	SEWAGE	80,000	M GAL	0.414	\$33.12
	GAS	214	THERM	0.4354	\$93.08
	REFUSE	320	CU YD	2.33	\$745.60
WASSON MIDDLE SCHOOL ELECTRICITY MTR #77786124 ELECTRICITY MTR #76167098	ELECTRICITY	10,320	KWH	0.0532	\$549.02
	ELECTRICITY	17,280	KWH	0.0532	\$919.30
	WATER	121,100	M GAL	0.3773	\$45.69
	SEWAGE	96,880	M GAL	0.414	\$40.11
	GAS	2046	THERM	0.4354	\$890.91
JACKSON SCHOOL 3 TRLS	REFUSE	192	CU YD	2.33	\$447.36
	ELECTRICITY	23,423	KWH	0.0532	\$1,246.10
	ELECTRICITY	320	KWH	0.0532	\$17.02
	ELECTRICITY	101,520	KWH	0.0532	\$5,400.86
	WATER	124,600	M GAL	0.3773	\$47.01
SEWAGE	99,680	M GAL	0.414	\$41.27	
	GAS	1800	THERM	0.4354	\$783.72
	REFUSE	192	CU YD	2.33	\$447.36

CN: 5AB775
 BILLED IN ACCORDANCE WITH AR 420-41.
 SIGNATURE: *Charles L. May*
 CHARLES L. MAY, SALES OFFICER
 PAGE 1
 TOTAL \$11,804.41

REIMBURSEMENT DOCUMENT SHEET NO. 1 NO. OF SHEETS 1 REGISTER/VOUCHER NO. UT- 875 -95 DATE 04/20/79
 THE PROponent OF THIS FORM IS DEH 1 CONTRACT NO. 03/01/95-03/31/95 PERIOD COVERED

TO FROM
 FINANCE AND ACCOUNTING OFFICE DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$143.00	(2333)	REFUSE:	COLL:	DHDC	83%	\$0.00	(25C1)	25C1	\$0.00
	WTR:	DJAC	\$2.45	(2333)		DISP:	DHDB	17%	\$0.00	(25C1)	26EL	\$412.16
	PRG:	DJMK	\$412.16	(26EL)							2333	\$145.45
											EDE	

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
EQUIPMENT CHECKOUT CENTER (70% OF BLDG)	ELECTRICITY	2688	KWH	0.0532	\$143.00
BLDG 5658	WATER	6500	M GAL	0.3773	\$2.45
	PROPANE	805	GAL	.5129	\$412.16
					\$0.00

CN: 18K975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *James J. Fugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$557.61

FC FORM 223 (REV) 1 MAY 79

B

ASSESSMENT DOCUMENT

THE PROPONENT OF THIS FORM IS DER)

SHEET NO. 1

NO. OF SHEETS 1

REGISTER/VOUCHER NO. UT- 848 -94

DATE

04/20/79

CONTRACT NO.

PERIOD COVERED

03/01/95-03/31/95

TO

FROM

FINANCE AND ACCOUNTING
FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA

ELC:	DJJC	\$585.17	(2333)	OIL:	DJNC	(26GM)	\$0.00
WTR:	DJAC	\$3.02	(2333)				
SWG:	DJEC	\$2.65	(2333)				26GM
GAS:	DJNK	\$858.56	(2333)				2333
							EDE
							EDE
							\$0.00
							\$1,449.40

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
FORT CAMPBELL	ELECTRICITY	11,000	KWH	0.0532	\$585.17
FIELD OFC DEFENSE					
REUTILIZATION AND MARKETING OFC	WATER	8,000	K GAL	0.3773	\$3.02
BLDG. 5211,					
5212, 5213, 5216	SEWAGE	6,400	K GAL	0.4140	\$2.65
FORMERLY:					
PROPERTY DISPOSAL	GAS	1,973	THERM	0.4354	\$858.56
	FUEL OIL	0	GAL	0.6600	\$0.00

CN: 152875

MAILING ADDRESS:

DEFENSE REUTILIZATION & MARKETING OFC
AIRWAYS BLVD.
MEMPHIS, TN 38115

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

for *James J. Pugh*
CHARLES L. MAY, SALES OFFICER

TOTAL

\$1,449.40

FC FORM 223 (REV)

1 MAY 79

DOCUMENT OF THIS FORM IS DELETED
 SHEET NO. 1
 NO. OF SHEETS 1
 MASTER/VOUCHER NO. UT- 884 -95
 DATE 04/20/95
 CONTRACT NO. 03/01/95-03/31/95
 PERIOD COVERED

TO
 FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 FROM
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$578.98 (2333) REFUSE: COLL: DMDC 83% \$123.77 (25CZ)
 WTR: DJAC \$2.40 (2333) DISP: DMDB 17% \$25.35 (25CZ)
 GAS: DJNK \$68.79 (2333)
 SEW: DJEC \$1.93 (2333)
 EOE 25CZ \$149.12
 EOE 2333 \$652.10

DESCRIPTION OF MATERIEL AND/OR SERVICES				COST	
ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	
DEFENSE PRINTING OFFICE	ELECTRICITY	10883	KWH	0.0532	\$578.98
BLDG 2611/2615	WATER	5880	K GAL	0.3773	\$2.40
	GAS	158	THERM	0.4354	\$68.79
	SEWAGE	4704	K GAL	0.414	\$1.93
	REFUSE	64	CYD	2.33	\$149.12

CN: 5AF775

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE

James J. Ray
 CHARLES L. MAY, SALES OFFICER

TOTAL \$801.22

FC FORM 223 (REV) 1 MAY 79

TO : FINANCE AND ACCOUNTING, FORT CAMPBELL, KY 42223-5000 FROM : DIRECTORATE OF PUBLIC WORKS, FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$486.92 (2333)	REFUSE:	COLL:	DMDC 83%	\$63.74 (25CZ)
	WTR:	DJAC	\$5.42 (2333)	DTSF:	DMDB 17%		\$13.06 (25CZ)
	SWG:	DJEC	\$4.01 (2333)				EDE 2527 \$76.80
	GAS:	DJNK	\$14.06 (2333)				EDE 2333 \$510.41

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CREDIT UNION BLDG NEXT TO MAIN PX	ELECTRICITY (MTR #26511396)	8,075	KWH	0.0603	\$486.92
	WATER	6,160	M GAL	0.8795	\$5,420
	SEWAGE	4,928	M GAL	0.8143	\$4,010
	REFUSE	32	CU YD	2.4031	\$76.80
	GAS	31	THM	0.4604	\$14.06

CN: 167975
 MAILING ADDRESS: P.O. BOX 15, FORT CAMPBELL, KY 42223
 BILLED IN ACCORDANCE WITH AR 420-41
 SIGNATURE: *Janice J. Pugh* CHARLES L. MAY, SALES OFFICER
 TOTAL \$587.21

FINANCE AND ACCOUNTING
 FORT CAMPBELL, KY 42223-5000

DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC \$15,162.00 (2333)	WTR:	DJAC \$59.45 (2333)	GAS:	DJNK \$1,686.98 (2333)	GREASE TRAPS:	DJSK \$0.00	EDE	2333	\$16,908.43
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DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
USA COMMISSARY BLDG 2702 FT CAMPBELL, KY 42223	ELECTRICITY	285,000	KWH	0.0532	\$15,162.00
	WATER	EST 157,560	M GAL	0.3773	\$59.45
	GAS	3875	THERM	0.4140	\$1,686.98
	GREASE TRAP	PLUS \$0.00 FOR PUMPING	BAL	.18	\$0.00

METER READINGS:
 ELECTRIC PRESENT 2217 PREVIOUS 1932 ESTIMATED
 MULTIPLIER: 1000
 GAS 7540 7402 ESTIMATED
 MULTIPLIER: 2.758
 WATER ESTIMATED AT 157560 GAL PER MONTH

CN: 16HA75
 MAILING ADDRESS:
 COMMANDER, USATA
 DLAD-TAB-R
 FT LEE, VA 23807

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE *Janice J. Pugh*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$16,908.43

REIMBURSEMENT DOCUMENT
 PROPOONENT OF THIS FORM IS DEH

SHEET NO. : 1
 NO. OF PAGES : 1
 REGISTER/VOUCHER NO. UT-764-94
 DATE : 01/11/75-02/10/95

CONTRACT NO.

PERIOD COVERED

TO : FINANCE AND ACCOUNTING
 FORT CAMPBELL, KY 42223-5000

FROM : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$5.50	(2333)	REFUSE:	COLL:	DMDG	83%	\$22.78	(2507)
	WTR:	DJAC	\$2.46	(2333)	DISP:	DMDG	17%	\$4.66	(2507)	
	SWG:	DJEC	\$1.93	(2333)						EOE
	GAS:	DJNK	\$13.09	(2333)						EOE
										2507
										2333
										\$27.44
										\$22.98

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CLARKSVILLE LIMOUSINE SERVICE BLDG 2699	ELECTRICITY	100	KWH	0.055	\$5.50
	WATER	2,500	M GAL	0.9834	\$2.46
	SEWAGE	2,000	M GAL	0.9668	\$1.93
	REFUSE	7	CU YD	3.92	\$27.44
	GAS	31	THM	0.4286	\$13.09

Refuse is 22 percent of refuse bill for bldg 2699

CN: 17E975

MAILING ADDRESS:
 P.O. BOX 88
 CLARKSVILLE, TN 37040

BILLED IN ACCORDANCE WITH AR 420-41.

Charles L. May
 CHARLES L. MAY, SALES OFFICER

SIGNATURE

TOTAL \$50.42

FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA
 ELC: DJJC \$1,710.91 (2333)
 GAS: DJNK \$84.22 (2333)
 WTR: DJAC \$28.37 (2333)

EOE 2333 \$1,823.50

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CHAMPION SPORTS CLUB	ELECTRICITY	32160	KWH	.0532	\$1,710.91
BLDG 3910	GAS	193	THERM	.4354	\$84.22
	WATER	75200	K GAL	.3773	\$28.37

ICN: 18X975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,823.50

FC FORM 223 (REV)
 MAY 79

REGISTRATION DOCUMENT
 COMPONENT OF THIS FORM IS DEH
 SHEET NO. 1
 NO. OF SHEETS 1
 REGISTER/VOUCHER NO. UT- 872 -95
 DATE 04/20/95
 CONTRACT NO. PERIOD COVERED 03/01/95-03/31/95

TO : FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 FROM : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC:	DJJC	\$467.93	(2333)	COLL:	DMD 83%	DMD 17%	DMD 83%	\$191.23	EDE	2507	\$230.40
	WTR:	DJAC	\$316.62	(2333)					\$39.17	EDE	2333	\$1,069.46
	GAS:	DJNK	\$304.91	(2333)								

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST
CCT SERVICES BLDG 2906	ELECTRICITY	7760	KWH	.603	\$467.93
	WATER	360000	M GAL	.8795	\$316.62
	GAS	662	THM	.8143	\$504.91
	REFUSE	96	CUYD	2.40	\$230.40

78 134

CN: 16E975
 MAILING ADDRESS:
 P.O. BOX 463
 HOPKINSVILLE, KY 42240

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *for Charles L. May*
 CHARLES L. MAY, SALES OFFICER

TOTAL \$1,319.86

PERMITS DOCUMENT : SHEET NO. : NO. OF SHEETS : DATE : 04/28/95
 COMPONENT OF THIS FORM IS DEH : 1 : 1 : PERIOD COVERED : 03/01/95-03/31/95
 REGISTER/VOUCHER NO. UT- 853 -94 : CONTRACT NO.

TO : FINANCE AND ACCOUNTING : FROM : DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-5000 : FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA : ELC : DJJC : \$23.69 (2333) : REFUSE : COLL : DMDC 83% : \$15.94 (25CZ)
 WTR : DJAC : \$21.99 (2333) : DISP : DMD8 17% : \$3.26 (25CZ)
 SW6 : DJEC : \$16.29 (2333)
 GAS : DJNK : \$9.28 (2333) : EOE : 25CZ : \$19.28
 EOE : 2333 : \$71.25

DESCRIPTION OF MATERIEL AND/OR SERVICES : COST

ORGANIZATION	UTILITY	QUANTITY	UNIT	UNIT COST	COST	
CANDI CAB						
	ELECTRICITY	393	KWH	0.0603	\$23.69	
	BLDG 2699 #CHARGED 22% OF (MTR #39-651-223) MTR READING					
	WATER	25,000	M GAL	0.8795	\$21.99	
	SEWAGE	20,000	M GAL	0.8143	\$16.29	
	REFUSE	8	CUYD	2.4031	\$19.20	
	GAS*	20	THM	0.4604	\$9.28	
	BILLED IN ACCORDANCE WITH AR 420-41.				SUBTOTAL	\$98.45

MAILING ADDRESS: P.O. BOX 180 FT CAMPBELL, KY 42223
 SIGNATURE: *James F. Rugh*
 CHARLES L. MAY, SALES OFFICER

DESCRIPTION OF MATERIEL AND/OR SERVICES

COST

POST EXCHANGE	ELECTRICITY		WATER		REFUSE		GAS		OIL		STEAM		GAS/OIL/ STEAM COST		COST
	KWH	COST	GAL	COST	CU YD	COST	THERM	GAL	SF/KLB (STEAM NOV-MAY)	GAL	SF/KLB (STEAM NOV-MAY)	SF/KLB COST	COST		
6902 BAR S (OFF PX METER)	5,644	\$300.26	2,000	\$2.40	1	\$2.33							\$24.91	\$29.64	
7163 SNACK BAR (EST)	43,920	\$2,336.54	8,000	\$3.02	96	\$223.68	285						\$124.11	\$651.07	
MAIN STORE BASEMENT 98 (MTR #62221154)	7,440	\$395.81	19,800	\$7.47	192	\$447.36	0		5582			\$3.75	\$3,684.12	\$2,795.12	
BLANK	0	\$0.00	25,200	\$9.51	0	\$0.00								\$0.00	
BLDG 96 (MTR#2723785) CLASS SIX	0	\$3.60	1,000	\$2.40	32	\$74.56								\$485.32	
BLDG 99 (MTR#2723786)	25,920	\$1,378.94	120	\$279.60	41							\$17.73		\$80.56	
4190 LV LAUNDERETTE	8,700	\$462.84	251,000	\$94.70	1140							\$496.43		\$1,676.27	
5703 BURGER KING Grease traps will be billed quarterly	728	\$38.73	100,000	\$37.73	240	\$559.20	1547					\$673.72		\$591.13	
PHONE CENTER MODULE	1,215	\$64.64	0	\$0.00	0	\$0.00	0					\$0.00		\$1,733.49	
LUNCHING PAD CAF	1,320	\$70.22	1,000	\$2.40	0	\$0.00						\$0.00		\$0.00	
3105 PX ADMIN/PAINT	1,807	\$96.13	6,000	\$2.40	32	\$74.56	523.84					\$228.08		\$67.04	
LUNCHING PAD SARGE	0	\$0.00	0	\$0.00	0	\$0.00	0					\$0.00		\$375.26	
UTILITY COST	0	\$0.00	0	\$0.00	0	\$0.00	0					\$0.00		\$96.13	
TOTALS		\$35,319.08		\$495.28		\$3,788.58						\$87	\$8,730.85	\$12,223.89	

5252.85

1666.29

5197.11

PAGE 4 TOTAL \$12,223.89

GRAND TOTAL \$48,328.76

SIGNATURE *for Janice J. Pugh*
CHARLES L. MAY, SALES OFFICER

FC FORM 223-1 (REV) 1 MAY 79
35,319.08
3,788.58
5046.13
8730.85
B

REGISTER/ VOUCHER NO. UF-877-95

OF SHEETS 4

DESCRIPTION OF MATERIAL AND/OR SERVICES

POST EXCHANGE	ELECTRICITY		WATER		REFUSE		GAS		OIL		STEAM		GAS/OIL/STEAM COST		COST
	KWH	COST	GAL	COST	CU YD	COST	THERM	GAL	SF/KLB						
✓ 92 KY SER STA	0	\$0.00												\$0.00	
✓ HOSP PX (EST)	8,995	\$478.53	6,300	\$2.40	64	\$149.12	556							\$872.01	
✓ HOSP BAR S (EST)	2,060	\$109.59	15,000	\$5.66	50	\$116.50								\$476.51	
✓ 3000 PX SHOPPETTE KY	248	\$13.19	4,000	\$2.40	1	\$2.33								\$40.13	
✓ 808-810 PX WHSE	24,400	\$1,302.34	6,600	\$2.49	120	\$279.60	51							\$5,000.00	
✓ 812 4 th SEASONS	416	\$22.13	EST		64	\$149.12								\$1,606.59	
✓ TN SHOPPETTE 2129 & LAUNDRY	925	\$49.21	15,000	\$5.66			163							\$171.25	
✓ PX WALL BLDG 2840	25,200	\$1,340.64	400,000	\$173.56	120	\$279.60	2453							\$125.79 (\$74.56)	
✓ PX WALL (EXT LIGHTS) ESTIMATED	242,880	\$12,921.22	295,500	\$111.30	720	\$1,677.60	1334							\$2,862.00	
✓ 3108 VEND/WAREHOUSE	0	\$0.00	0	\$0.00	0	\$0.00	0							\$15,290.76	
DRINK BOX	61,835	\$3,289.62												\$357.50	
HOT F. MCH	415 EA	\$5,654.86												\$0.00	
SIGNATURE	0 EA 25811.51 30587 to <i>Genie J. Pugh</i> CHARLES L. MAY, SALES OFFICER														

DESCRIPTION OF MATERIAL AND/OR SERVICES

COST

POST EXCHANGE	ELECTRICITY		WATER		REFUSE		GAS		OIL		STEAM		GAS/OIL/ STEAM COST	
	KWH	COST	GAL	COST	CU YD	COST	THERM	GAL	GF/KLB	STEAM	GF/KLB	STEAM	GF/KLB	COST
CANDY	3,360	\$178.75												\$178.75
BEER	168 EA	\$348.73												\$348.73
ICE CR	0	\$0.00												\$0.00
COFFEE	0 EA	\$0.00												\$0.00
MILK	516	\$27.45												\$27.45
SANDWICH	3 EA	\$0.00												\$0.00
BLANK	0 EA	\$0.00												\$0.00
3958 BAR S	0 EA	\$0.00												\$0.00
3958 PX & SNK	22,460	\$1,195.94	2,000	\$2.40	1	\$2.33								\$4.73
5600 TN SER STATION	22,160	\$1,178.91												\$1,178.91
MCC PHONE CTR 806 5701	200	\$10.64	2,000	\$2.40	32	\$74.56								\$86.46
6140 PX #5	8,480	\$451.14												(\$149.12)
6140 BAR S (OFF PX METER)														\$870.91
6722 PX #3	9,920	\$527.74	11,200	\$4.23	32	\$74.56								(\$298.24)
6902 PX #7	10,912	\$580.52	11,900	\$4.49	31	\$72.23								\$29.64

SIGNATURE *Charles L. May* CHARLES L. MAY, SALES OFFICER
 PAGE 3 TOTAL \$5,205.39
 1130.23
 - 452.02

TO FINANCE AND ACCOUNTING OFFICE
 FORT CAMPBELL, KY 42223-5000
 FROM DIRECTORATE OF PUBLIC WORKS
 FORT CAMPBELL, KY 42223-1291

ACCOUNTING AND FUNDING DATA	ELC: DJJC	WTR: DJAC	GAS: DJNK	STM: DJNK	REFUSE: (2333)	COLL: DMDC 83%	DISP: DMOB 17%	DJNK: (25CZ)	DJNC: (266M)	EOE	25CZ	266M	25CZ	2333	\$0.00	\$3,684.12	\$3,788.58	\$40,861.06
	\$35,319.06	495.28	3642.25	1404.48				\$0.00	\$3,684.12									

DESCRIPTION OF MATERIEL AND/OR SERVICES

ORGANIZATION	UTILITY	UNIT	UNIT COST	POST EXCHANGE	UNIT COST
	ELECTRICITY	KWH	0.0532		
	WATER	M GAL	0.3773		
	REFUSE	CU YD	2.33		
	GAS	THERM	0.4354		
	OIL	GAL	.6600		
	STEAM	KLB	7.5473		

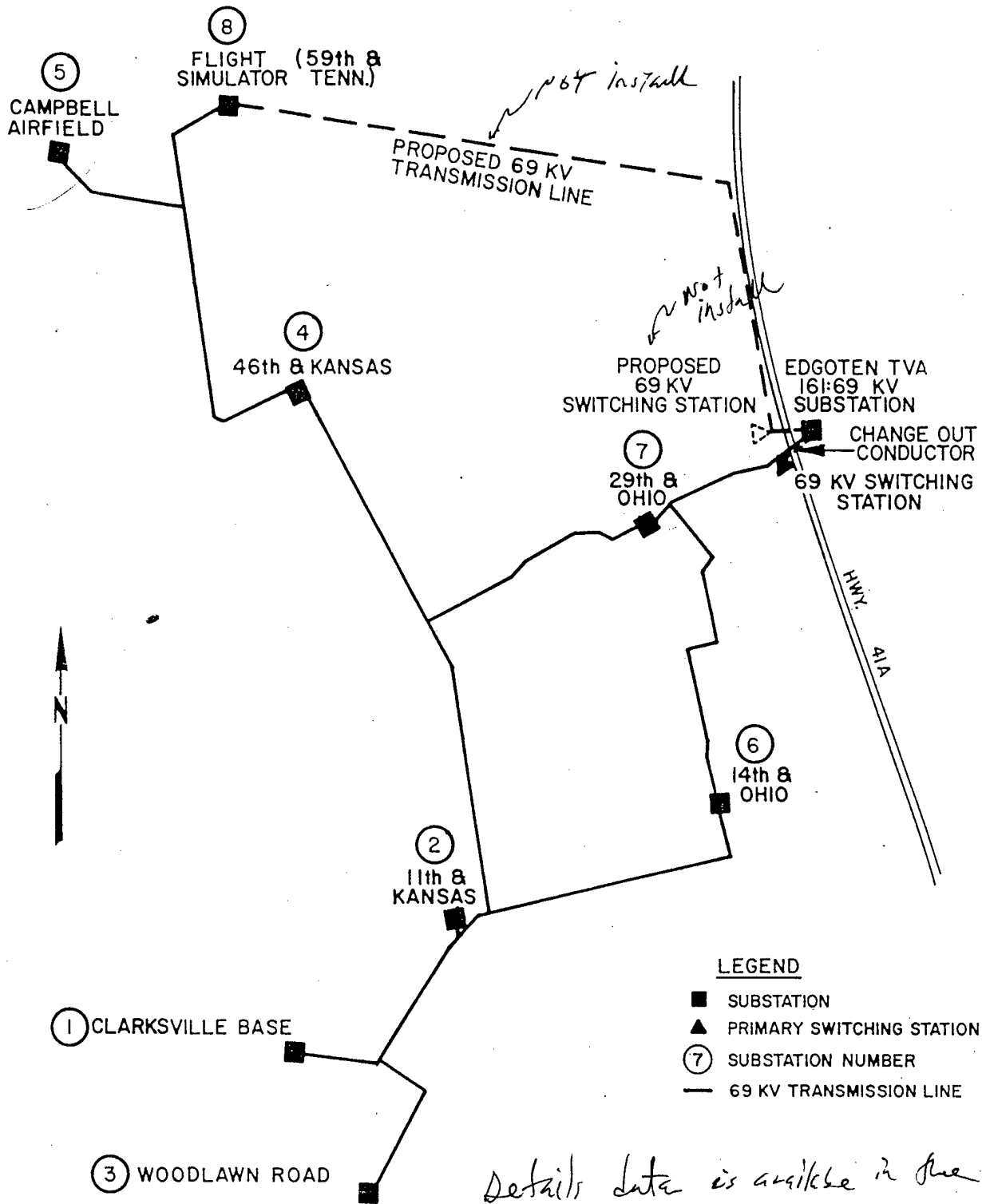
CN: 181975

BILLED IN ACCORDANCE WITH AR 420-41.

SIGNATURE: *Charles L. May*
 CHARLES L. MAY, SALES OFFICER

GRAND TOTAL
 \$48,338.77

ELECTRICAL SYSTEMS



LEGEND

- SUBSTATION
- ▲ PRIMARY SWITCHING STATION
- ⑦ SUBSTATION NUMBER
- 69 KV TRANSMISSION LINE

*Details data is available in the electrical Dist Reports 1985
 No projects has been done for or major upgrade or equipment change out.*

ALLEN & HOSHALL INC.
 ENGINEERS ARCHITECTS CONSULTANTS

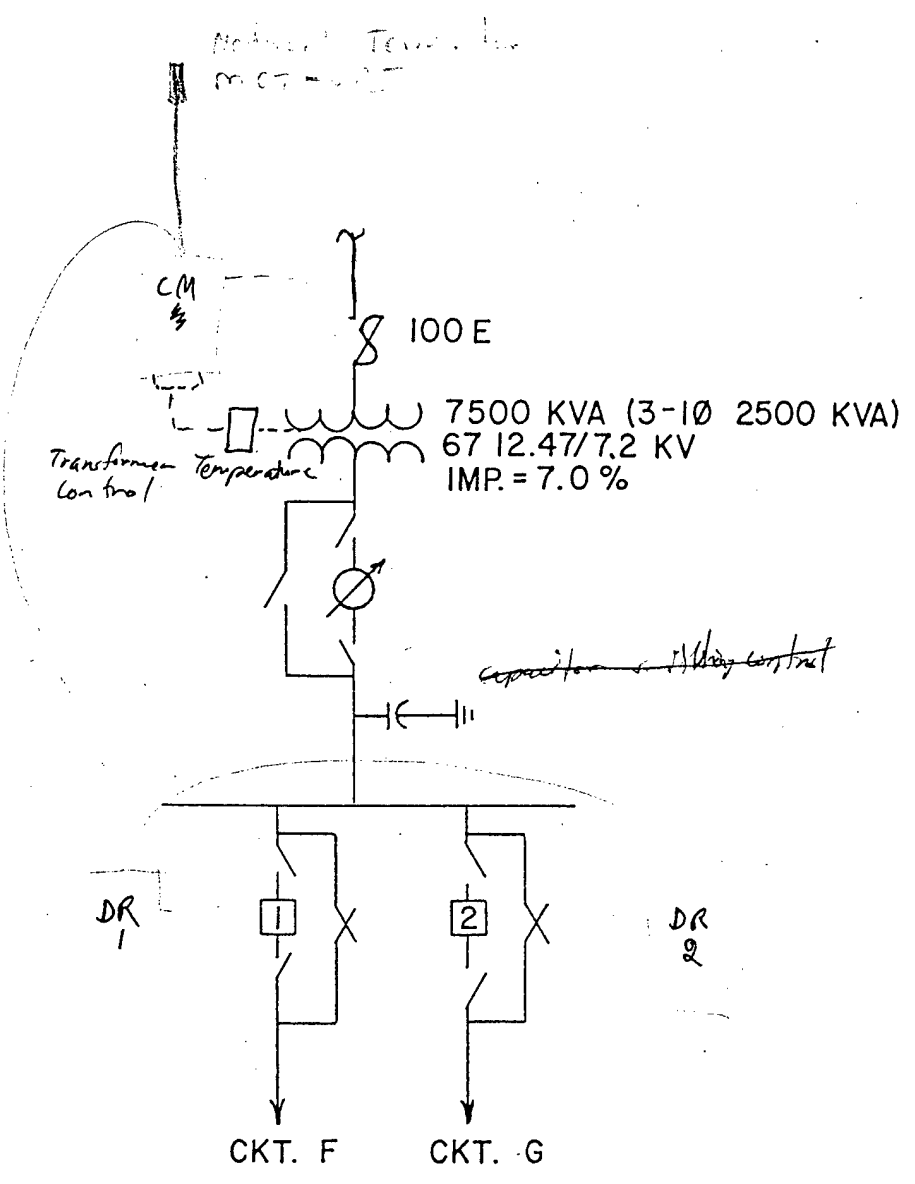
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	R.E.P.	JOB NO.	
CHECKED	O.L.J.	DATE	7-17-85
APPROVED	O.L.J.	SCALE	NONE

**FORT CAMPBELL
 69KV SYSTEM**

EXHIBIT I-1

DRAWING NO.



No CT's & PT's existing

~~pic 16, 17, 18~~
Picture 16, 17, 18

ALLEN & HOSHALL
ENGINEERS ARCHITECTS CONSULTANTS

Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

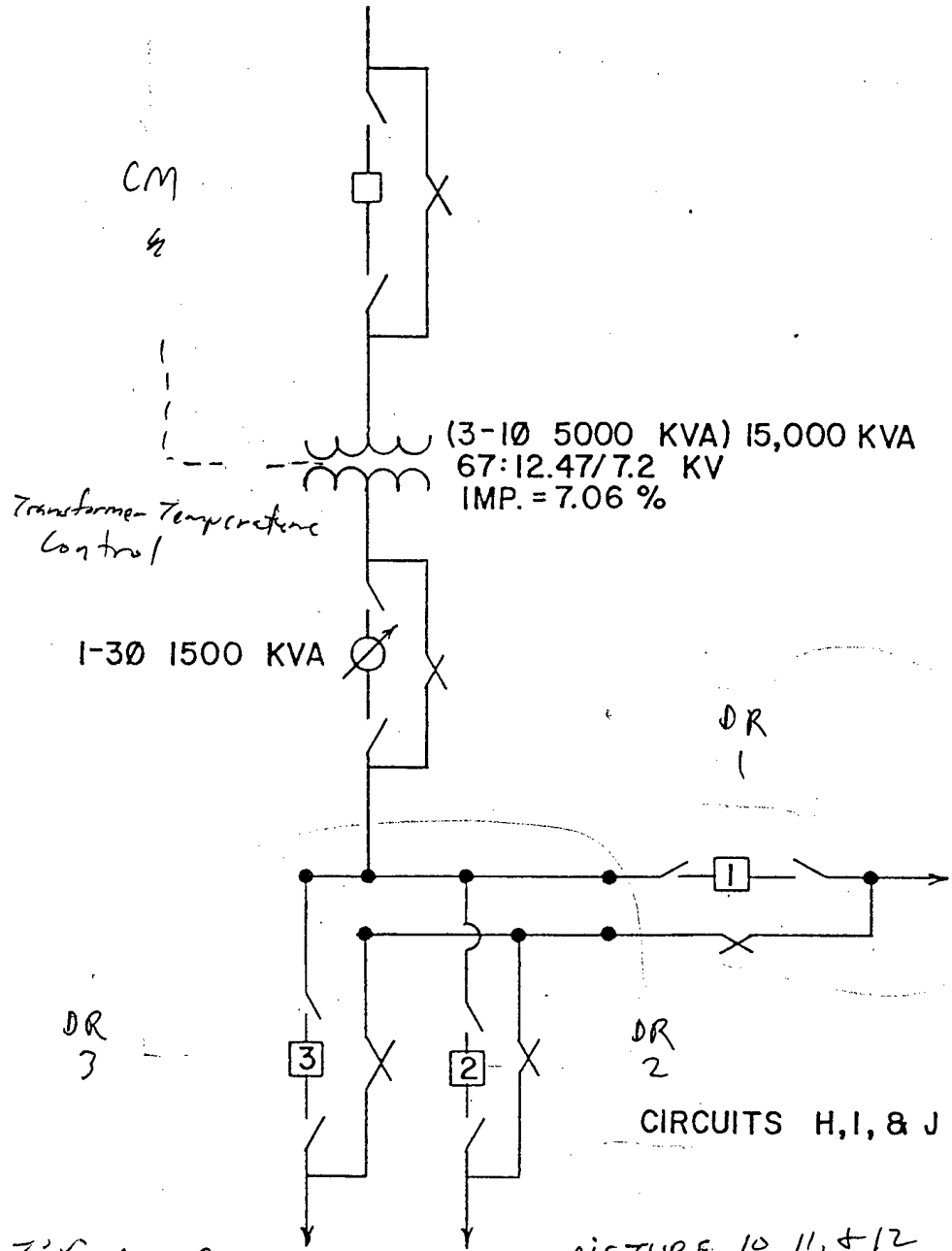
DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY
SUBSTATION SWITCHING ARRANGEMENT

WOODLAWN ROAD SUBSTATION 3

DRAWING NO.

noted Transformer
MC-



ALLEN & HOSHALL
ENGINEERS ARCHITECTS CONSULTANTS

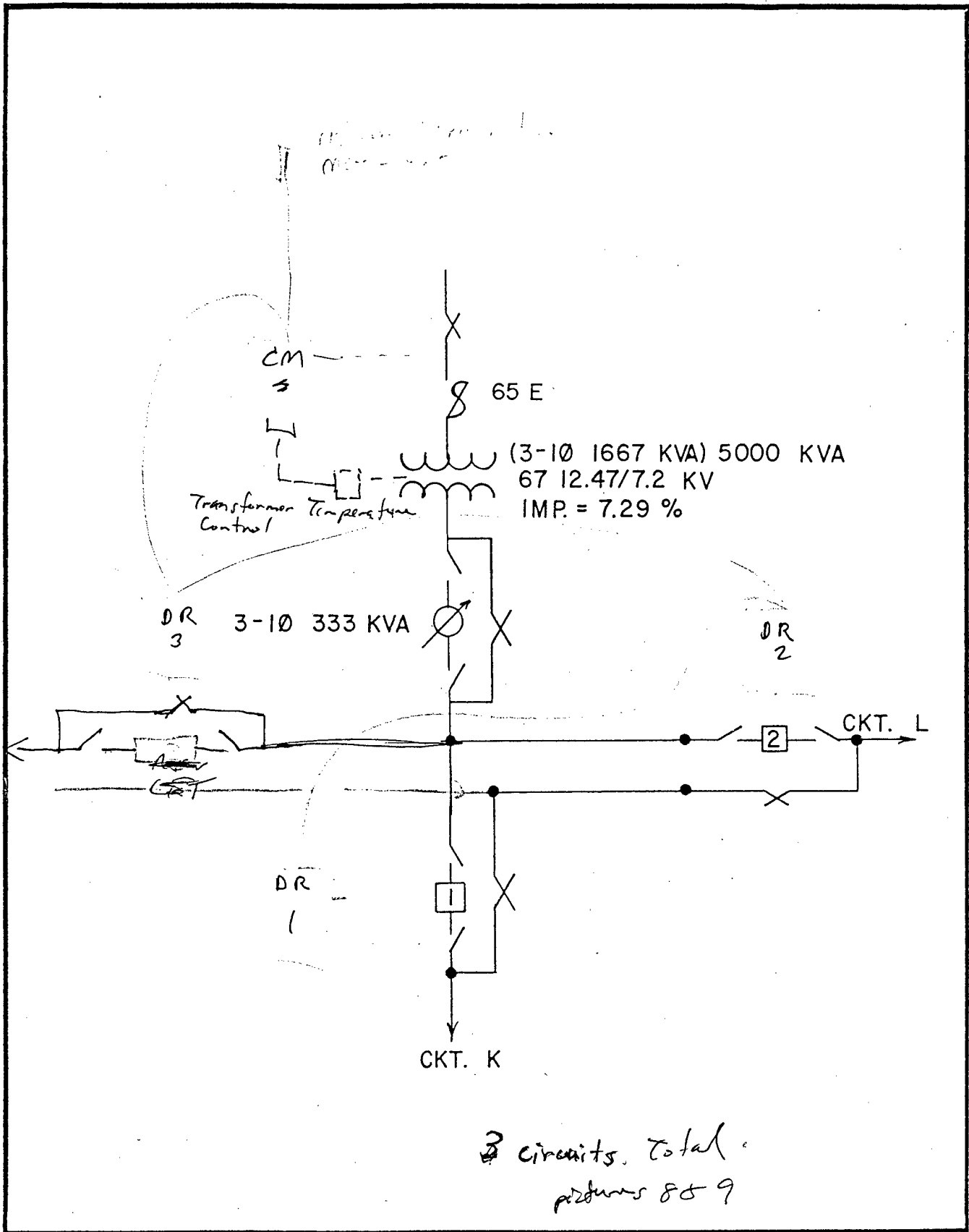
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY
SUBSTATION SWITCHING ARRANGEMENT

47TH & KANSAS SUBSTATION 4

DRAWING NO.



3 circuits total
 returns 8 & 9

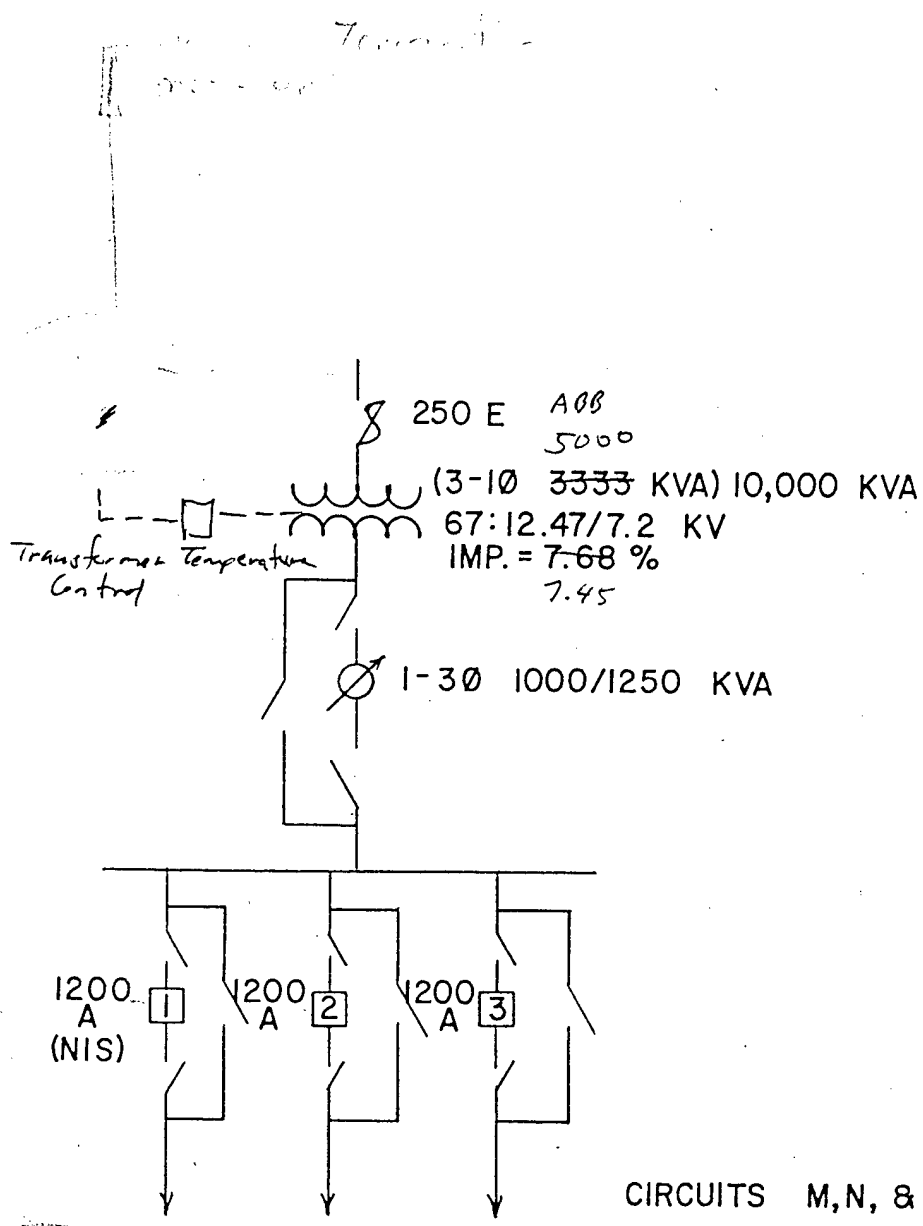
ALLEN & HOSHALL
 ENGINEERS ARCHITECTS CONSULTANTS

FORT CAMPBELL, KENTUCKY
 SUBSTATION SWITCHING ARRANGEMENT

Memphis, TN.	Jackson, MS.	Knoxville, TN.	Nashville, TN.
DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

CAMPBELL ARMY
 AIRFIELD SUBSTATION 5

DRAWING NO.




DR 1

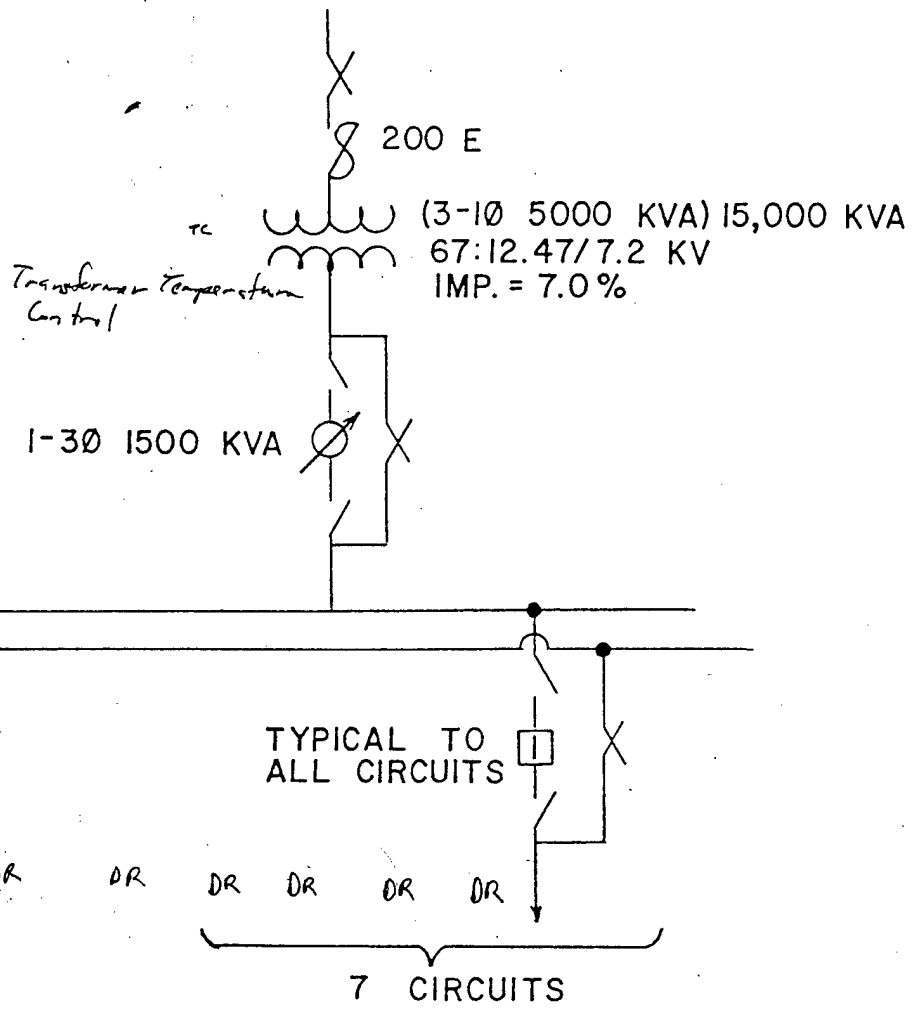
DR 2

DR 3

No CT's
and P.T's
existing.

~~Picture # 1 & 2~~
Picture # 1 & 2

 ALLEN & HOSHALL ENGINEERS ARCHITECTS CONSULTANTS		FORT CAMPBELL, KENTUCKY SUBSTATION SWITCHING ARRANGEMENT	
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.			
DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	
14TH & OHIO SUBSTATION 6			DRAWING NO.

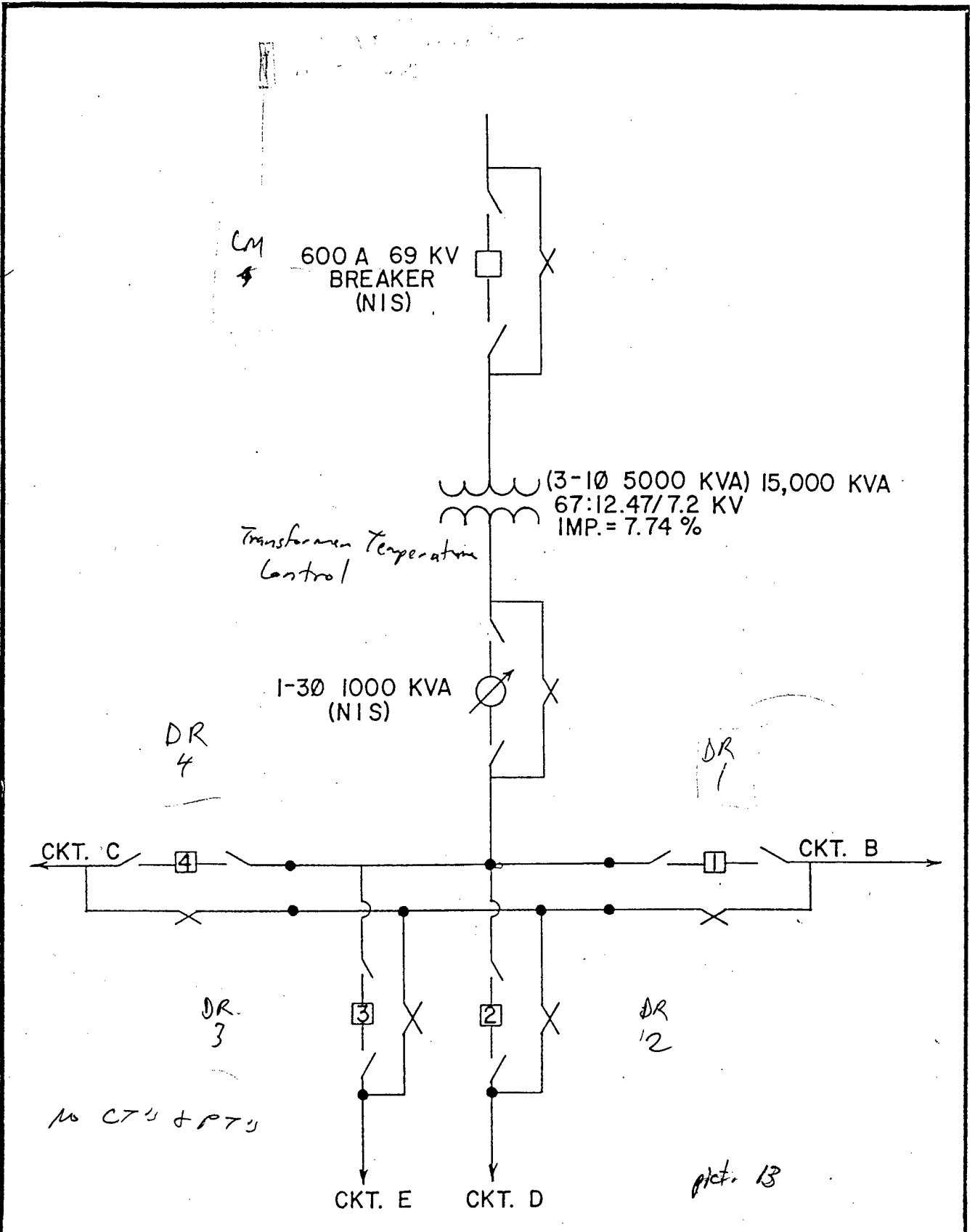



No CT'S and PT'S

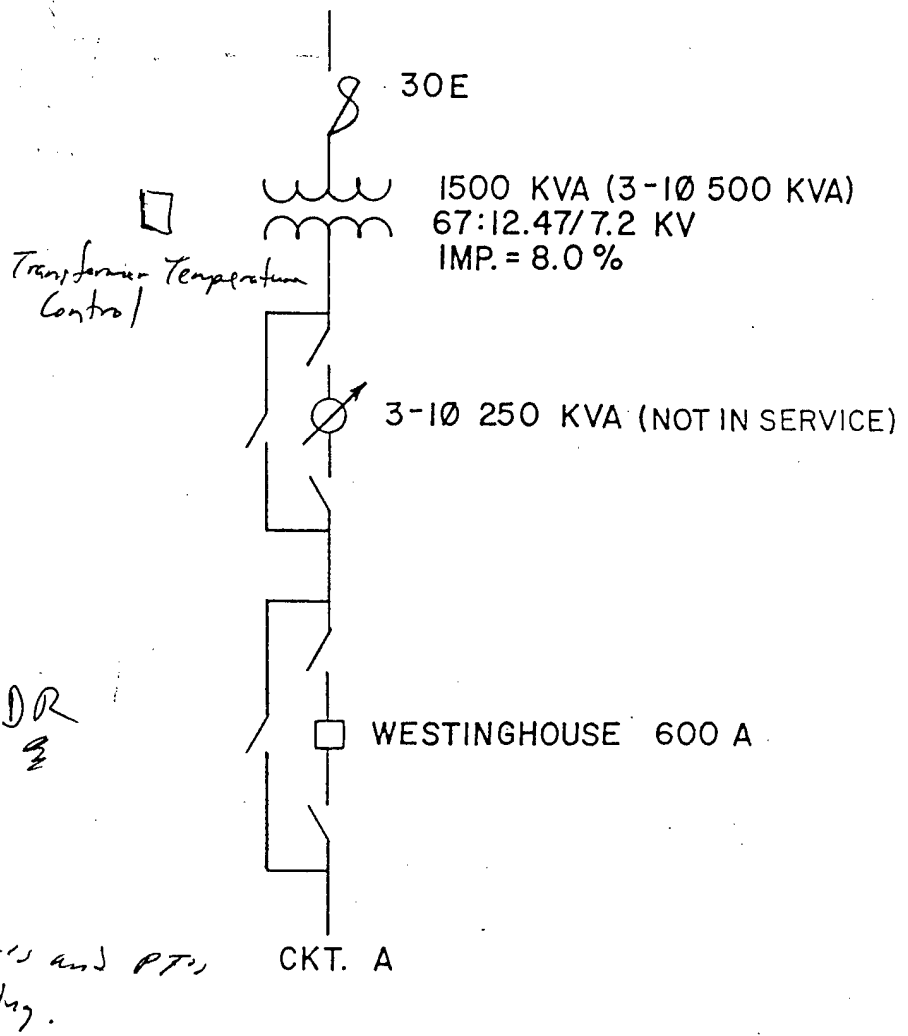
CIRCUITS P,Q,R,S,T,U, & V
Picture # 3

ALLEN & HOSHALL ENGINEERS ARCHITECTS CONSULTANTS			
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.			
DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY SUBSTATION SWITCHING ARRANGEMENT		DRAWING NO.
29TH & OHIO SUBSTATION 7		



 ALLEN & HOSHALL ENGINEERS ARCHITECTS CONSULTANTS				FORT CAMPBELL, KENTUCKY SUBSTATION SWITCHING ARRANGEMENT			
Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.							
DRAWN	RPP	JOB NO.	N0079E2103			IITH & KANSAS SUBSTATION 2	DRAWING NO.
CHECKED		DATE	JULY 1985				
APPROVED		SCALE					



ALLEN & HOSHALL
ENGINEERS ARCHITECTS CONSULTANTS

Memphis, TN. Jackson, MS. Knoxville, TN. Nashville, TN.

DRAWN	RPP	JOB NO.	N0079E2103
CHECKED		DATE	JULY 1985
APPROVED		SCALE	

FORT CAMPBELL, KENTUCKY.
SUBSTATION SWITCHING ARRANGEMENT

CLARKSVILLE SUBSTATION 1

DRAWING NO.

ANALYSIS OF FORT CAMPBELL ELECTRICAL DISTRIBUTION SYSTEM

EXHIBIT IV-1 SUMMARY OF SUBSTATION CAPACITY AND LOADING

SUBSTATION NO.	SUBSTATION	NAMEPLATE RATING MVA(1)	RATED VOLTAGE-KV(1)	1984 SUMMER PEAK LOADING-MVA(2)	LOAD AS A % OF NAMEPLATE RATING	NO. OF FEEDER BREAKERS
1	Clarksville Base	3 - .5/.671Ø	67:12.47	2.417	120%	1
2	11th & Kansas	3 - 5/6.25 1Ø	67:12.47	6.465	34%	4
3	Woodlawn Road	3 - 2.5 1Ø	67:12.47	3.500	47%	2
4	46th & Kansas	3 - 5/6.25 1Ø	67:12.47	13.035	70%	3
5	Campbell Airfield	3 - 1.67 1Ø	67:12.47	2.597	52%	2
6	14th & Ohio	2 - 3.3/4.16 1Ø 1 - 2.5 1Ø	67:12.47	4.761	63%	3
7	29th & Ohio	3 - 5/6.26 1Ø	67:12.47	12.340	66%	7
8	Flight Simulator	4 - 5/6.26 1Ø	67:12.47	--	--	4
	Edgoten	4 - 20/26.6 1Ø	88.9:39.8:13.2	58.400	73%(3)	2

(1) From Transformer Nameplate Data

(2) Calculated from connected distribution transformer KVA

(3) From TVA Meter Data 43.1 MVA for Fort Campbell, 7.5 MVA for P.R.E.C.C. and 7.8 MVA for Clarksville Electric Department

No major equipment changes at the Clarksville Base. New labor was added to the airfield substation.

Emer Generator
STAT 105

Item #	Description	Status	Power (KW)
6612	Boiling Spring	N	700 KW
7543	M.A.R.S. *	N	60 KW
7541	Computer Center *	N	125 KW
7504	CAV Country Telephone Bldg *	N	50 KW
7703	LIFT STATION EEOO	Y	60 KW
52	S.O.A.R. (out of service)	Backup Generator	
7234 Banker	160th		100 KW
7735	LIFT Station at the Bridge	Y	100 KW
7635	Sewage Plant *	N	200 KW
6801	STOCKADE	N	100 KW
6643	LIFT Station at the lake	Y	60 KW
6623	Sabre Deluge Pump Motor		
6623	Sabre Deluge Pump Motor		
6623	Sabre Deluge Pump Motor		
PAC628	Sabre lights ^{night lights}	Y	35 KW
6632	Sabre Control Tower *	N	60 KW
6628	Sabre Telephone Bldg *	N	50 KW
	Fire Tower (Diesel engine)		7.5 KW
	Fire Tower (gasoline engine)		7.5 KW
DPM-1	Range 46 repeater site		10 KW
7187	TRANSMITTER (SHAK)	N	60 KW
	Middle Marker	Y	3 KW
	Outer Marker	Y	3 KW
	Doppler Radar Site	Y	80 KW
2702	Commissary (out of service) *		50 KW
7180	P.A.R. ^{Room & FAX/WAV} *		100 KW

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✓✓	1746	Water Treatment Plant	N	700 KW
✓	1565	Lift Station at Cole Park	Y	100 KW
✓✓	2575	Fire Station #1	N	100 KW
✓	30	M.P. Station	N	12 KW
✓	95	Signal BLD.	N	350 KW
✓	6226	42nd and Tennessee	N	125 KW
✓	3840	Lift Station at the Circle	Y	12.5 KW
✓	7109	A.S.A.R.	N	100 KW
✓	7297	Glidescope	N	15 KW
	7169A	P.O.L. Libby <i>Pumphs - 1</i>		100 KW
✓	7168	Night Lighting Vault (inside)	Y	100 KW
✓	7168	Night Lighting Vault (outside)	Y	175 KW
✓	7168	P.O.L. Behind the <i>pump h. 2</i> vault bld.		
✓	A7163	Base Operation	N	60 KW
✓	7160	Fire Station #3		50 KW
✓	7164	RAPCON	N	100 KW
✓	7156 Wht	White Telephone Bld behind HGR		80 KW
✓	7153	Deluge Motor		
✓	7153	Deluge Motor		
✓	7153	Deluge Motor		
	A7140	Main P.O.L. Storage		60 KW
✓	7202	Receiver Site <i>Transmitter</i>	N	30 KW
✓	7227	160th Headquarters Bld.	N	750 KW
✓	7293	TACAN (out of service)		30 KW
✓	A7230	Destiny Runway Lights	Y	30 KW
✓	7212	Destiny Control Tower		135 KW
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7219	Destiny Deluge Motor		
✓	7221	Destiny Lift Station	Y	50 KW
✓	A7201	Localizer	N	7.5 KW

67 EMERGENCY

1565 CAT no. plates —

3840 lift station

7297

* 7169A

manual start ; //

* 7167

"

A 7163

7164

CAT with regen-control

7153 (3)

* A 7140

manual start ; //

7212

7219 (4) sewage pump ; //

7221

7543

7541

7703

7735

6643

6623 (3)

PA 6628

6628

middle marks -

outer marks.

DMAN

+ 13 future

2525 in + duffer

need
* replace

replace +

need
TF

King Fisher

back up system available at
police station

style zone alarm

Rollin sign

in 4 year old

all billing

3. use

5. use

Alarm

Test

Hot Mat

Reset Alarm. 0128

ECONOLITE anaheim, CA

Main switch ON/OFF

signal ON/OFF

AUTO/FLASH

AUTO/MANUAL

Driver type.

12 Breakout segment.

Buck handle all control system

Micro processor control (Total of 4)

15 lights

induction loop

infra red

next 0-year.

DOT method.

Boiling Stray.

Height 2 feet.

300 HP 3φ

Frame 5000 P TYPE HU

Design code F

460 V, 341 A

SF 1.15 1.775 RPM.

Mueller Pump

model BAAE.4A

GPM 3500

FT HD 260

3 Total

no // capability.

WATER PLANT GEN

690 KW 862.5 KVA } AC Gen

PF 0.8

2400 V 252 A

STAMFORD

CAT ENCL 3512.

Power 1047 HP

781 KW

AR NO. 8N580C

PTRR SPEC 076027

67 EMERGENCY

1565 CAT no photo

3840 lift station

7297

* 7169A manual start

* 7167 "

A 7163

7164 CAT with regen-control

7153 (3)

* A 7140 manual start

7212

7219 (4) sewage pump

7221

7543

7541

7703

7735

6643

6623 (3)

PA 6628

6628

middle marks

outer marker

ONAN

7160

7168

175 KW

+ 13 future EM for lift station
2525 in & chaffer

need
* replace

replacement

need to update
Transfer switch
relay problems

Contract Maintenance for UG storage tank.

U.S. Tech Group, Inc.
Bill Edwards /

Qty 92

Qty 3000

Bus groups

Gilbarco

Form #1 PA02020160000

Serial # 30117882705001

Ball Field with 4 Tennis & 4 Ball Fields.
① 4 - Control cabinets -
GE Lighting Controller.

5 - pole to a field
8 - lamp on each pole.

② Fryar Stadium

8 pole 6 lamps/pole. open field.

Stadium: 4 pole. 18 lamps/pole.
25 KV single phase at each pole.

Very old system.
old fuse panel

③ Reel Ave Ball Field

Quartz light

6 on each pole; 9 poles
old disconnect switch.

④ 39th & Indiana

12 pole ~ 4 lamp on each.

C

**WATER &
WASTE SYSTEM**

WATER SYSTEM - Bill Cowell

Two water sources. (ground water)

Bolling Spring. (1942) 3.5 mile

3 pumps. turbine. 2 - lines.

Remot - start - stop. motor speed.

Ree River (surface water)

3 pump. manual control only.

16" line incoming.

1st point aeration.

2nd point flash mix. (flocculation)

3rd point Sedimentation. pressure distribution.

4th point Filtration. (six filter)
(2 million gal/day per filter)

Most of the time only one pump:

running at time on VSD

5 1/2 M gpm

11 sec delay for pump control

not VSD on all pump. (instead just one)

load / power 50 sec. delay.

for stand by power. (not on auto-take
switch.)

Communication by tele. line.

PAC - polymer poly Alum Sul.

Coagulant 1 mg/l.

Agua May.

corrosion control.

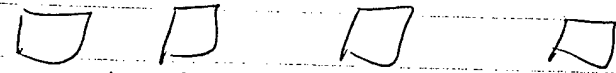
18 lb/day 55 gal - 24 dr.

cont for line to prevent rust

4.5 million gal/day.

7.2 max capacity require.

2 - 8M gal/day } pump to towers
2 - 3M gal/day }


3M gal/day 3M 8M 8M

(Try to maintain = 31.5 ft.)

Chemical flow rate. lb/week.

Total hours / pump
CL2 2.13 mg/l

50 mg/l min at all point on sys

Liquid Cl.

pre. manual lab rate 600 lb / 24 hr
post 20 lb / 24 hr

Alarm for Cl leak (set @ 3 ppm)

Turbidimeter. read out (8) total
1 on each filter (at spray + 1 in room
Lab tronix - manufacturer.

Mr. Evan.

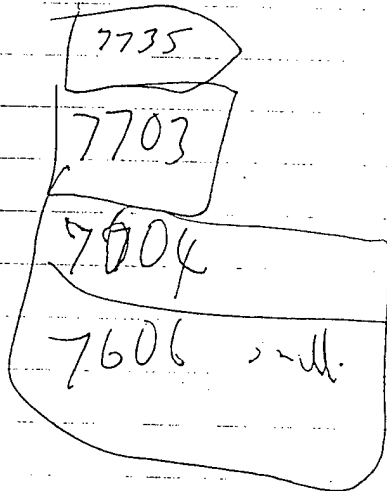
- ✓ liquid level lift stations (58)
- ✓ electrical power to station
- ✓ pump run time
- ✓ consider bypass line (open flow)

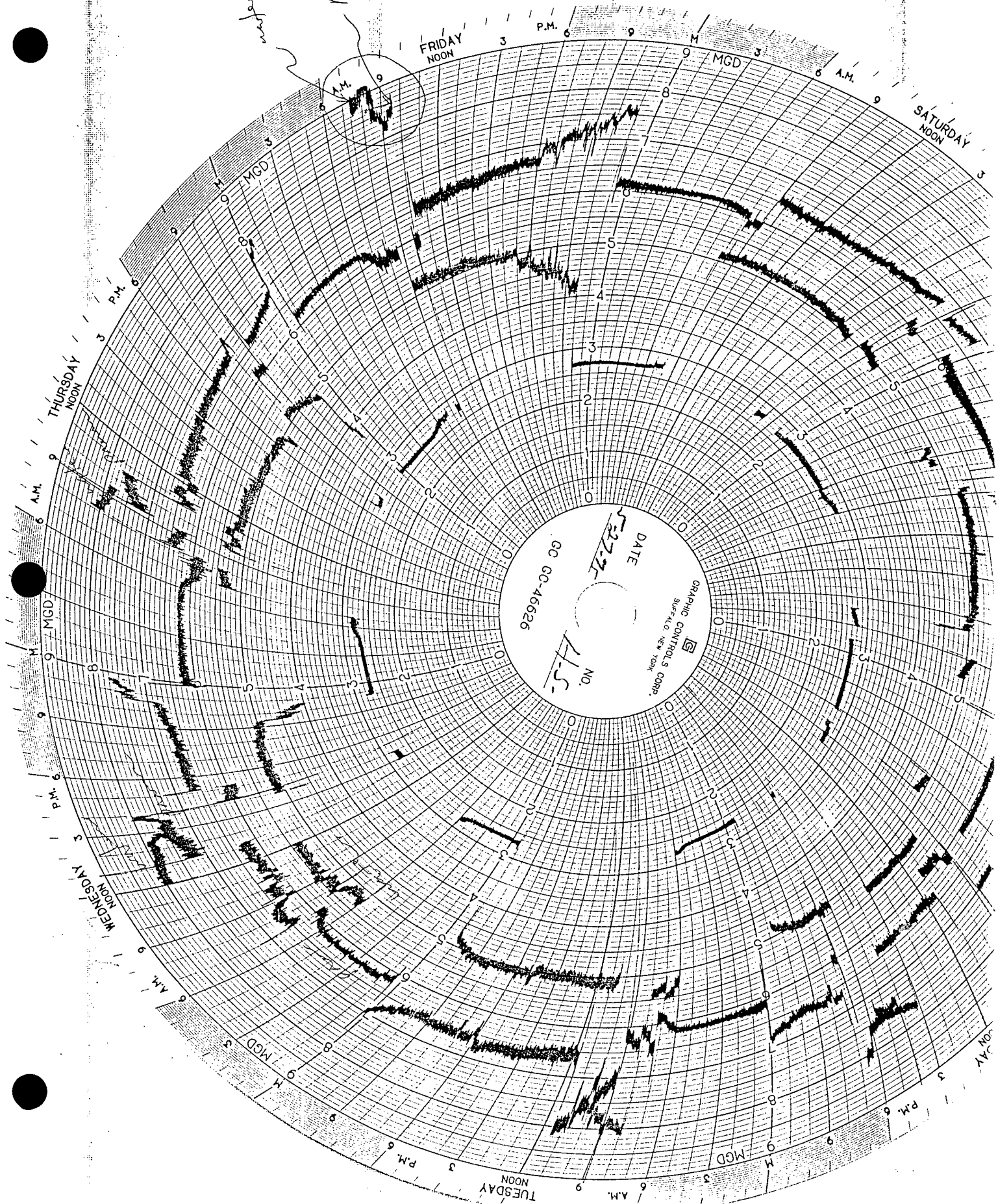
23 shall power liquid level
~~20~~ larger power, liquid level, power

Clarifier continuous
sludge pump on timer.
Recirculation station

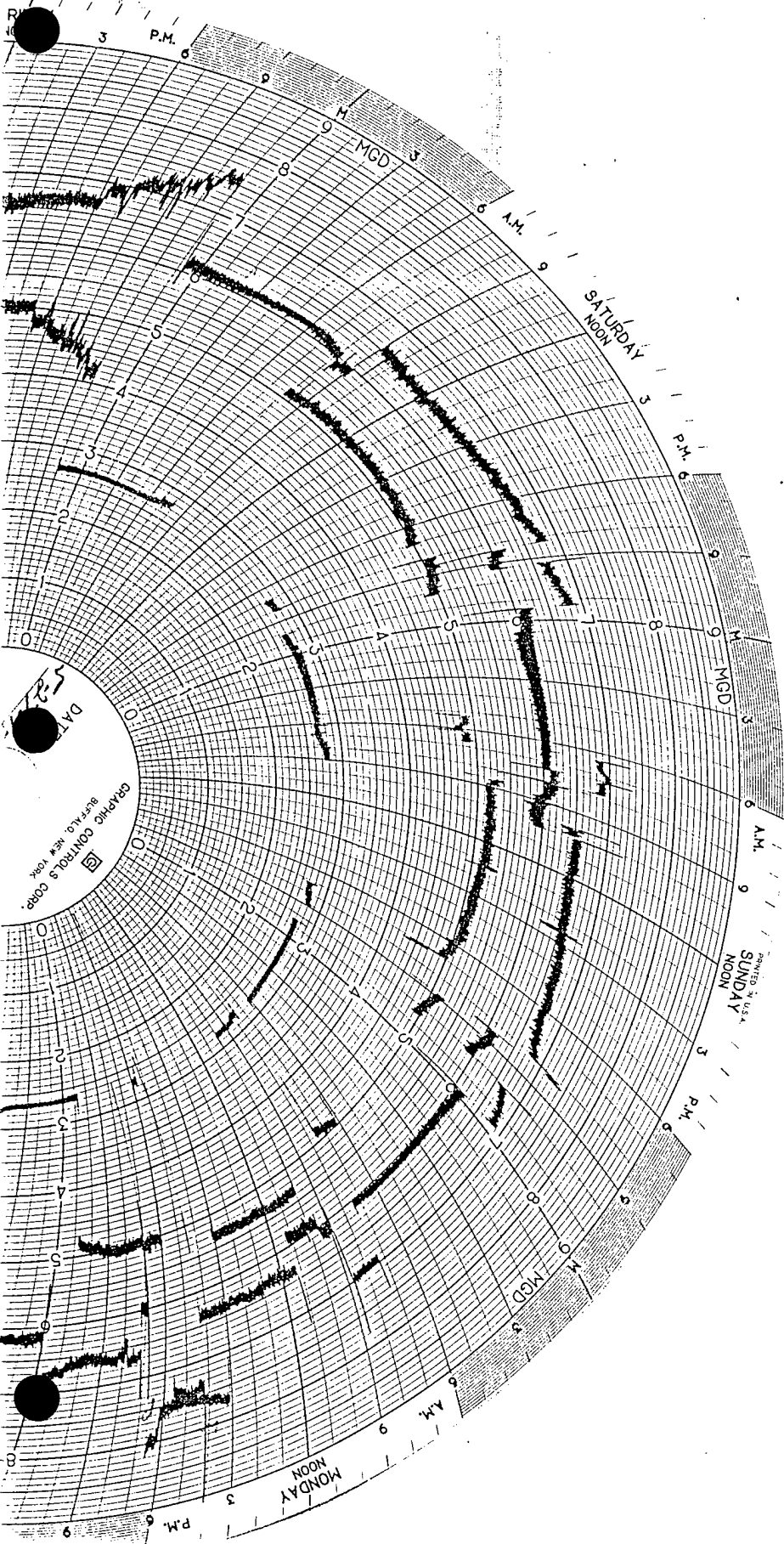
In-flow - out flow

3.2 million gal/day.
ultrasonic flow meter





GRAPHIC CONTROLS CORP.
BUFFALO, N.Y. 14204
NO. 415
DATE 5-27-71
OO OO-46626



DATE:
 GRAPHER:
 BUFFALO, NEW YORK

MADE IN U.S.A.
SUNDAY
NOON

SATURDAY
NOON

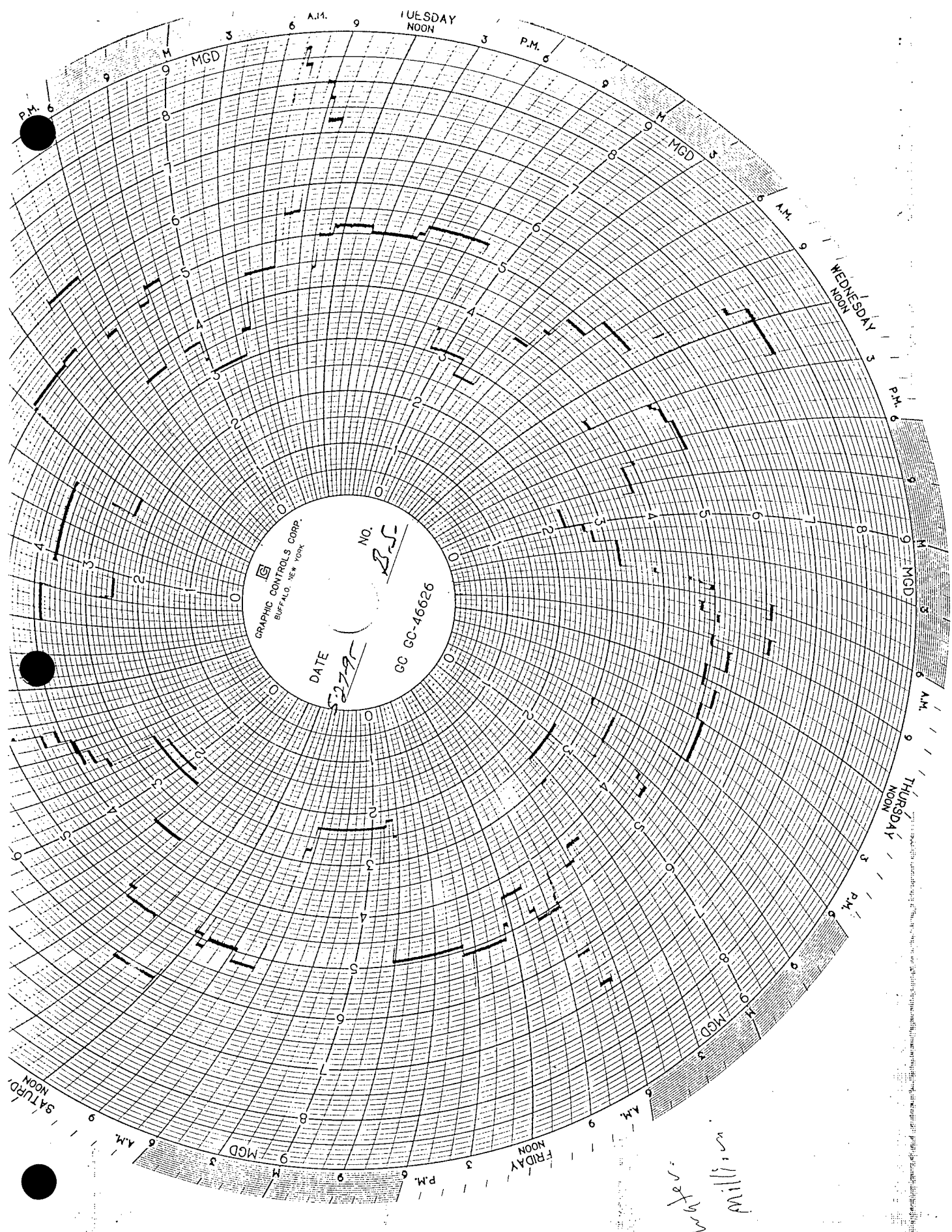
MONDAY
NOON

GRAPHIC CONTROLS CORP.
BUFFALO, NEW YORK

DATE 5/27/79

No. 25

GC GC-46626



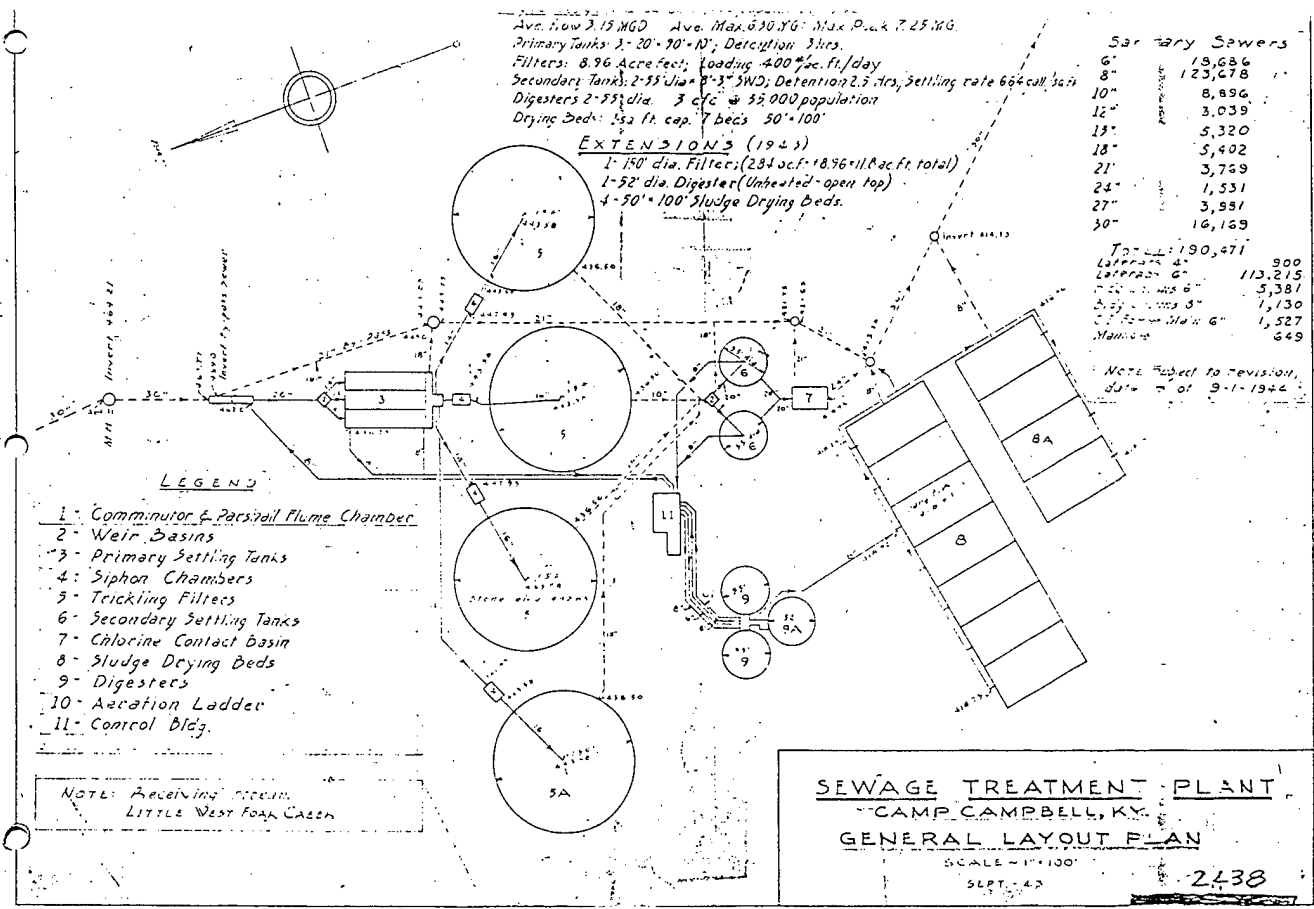
Handwritten notes:
5/27/79
25

Ave. Flow 3.15 MGD Ave. Max. 6.30 MGD Max. Peak 7.45 MGD
 Primary Tanks 3 - 20' x 70' x 10'; Detention 3 hrs.
 Filters: 8.96 Acre feet; Loading 400 gpc. ft./day
 Secondary Tanks 2 - 55' dia. x 3' SWD; Detention 2.5 hrs; Settling rate 66% coll. 30 min
 Digesters 2 - 55' dia. 3 cfs @ 35,000 population
 Drying Beds: 152 ft. cap. 7 beds 50' x 100'

EXTENSIONS (1943)
 1- 150' dia. Filter; (284 ac. ft. 18.96 x 11.8 ac. ft. total)
 1- 52' dia. Digester (Unheated - open top)
 4- 50' x 100' Sludge Drying Beds.

Sanitary Sewers	
6"	18,686
8"	123,678
10"	8,896
12"	3,039
18"	5,320
21"	5,402
24"	3,769
27"	1,531
30"	3,981
	16,169
TOTAL 190,471	
Lateral 4"	900
Lateral 6"	113,215
Sanitary Man 6"	5,381
Sanitary Man 8"	1,130
Sanitary Man 10"	1,527
Manhole	649

Note: Subject to Revision, Date of 9-1-1944



- LEGEND
1. Comminutor & Partial Flume Chamber
 2. Weir Basins
 3. Primary Settling Tanks
 4. Siphon Chambers
 5. Trickling Filters
 6. Secondary Settling Tanks
 7. Chlorine Contact Basin
 8. Sludge Drying Beds
 9. Digesters
 10. Aeration Ladder
 11. Control Bldg.

NOTE: Receiving stream
 LITTLE WEST FORK CACHE

SEWAGE TREATMENT PLANT
 CAMP CAMPBELL, KY.
 GENERAL LAYOUT PLAN
 SCALE - 1" = 100'
 SEPT. 43
 2438

EM x 60 km

SEWAGE LIFT STATIONS

Station No.	Address	System	Notes
1.	1043	-----	DRENNEN PARK (41A) 2 3φ 7 1/2
2.	1199	-----	GATE 2 2 5
3.	1230	-----	ALASKA AVE. & 11TH STREET 2 7 1/2
4.	1565	EM	COLE PARK 2 20
5.	1602	-----	WATER PLANT 2
6.	3840	-----	LEE VILLAGE (TRAFFIC CIRCLE) 2 3 18
7.	4355	-----	PIERCE VILLAGE 2 5
8.	4964	-----	GATE 5 2
9.	5005	-----	HAMMOND HEIGHTS 3 7 1/2
10.	5225	-----	RECYCLE CENTER 2
11.	A6088	-----	RANGE CENTRAL 5
12.	6092	-----	LANDFILL OFFICE
13.	6094	-----	RANGE ROAD 2 3/4
14.	6095	-----	PUMP HOUSE - NORTH VEHICLE WASH FACILITY
15.	6091	-----	PUMP HOUSE - SOUTH VEHICLE WASH FACILITY
16.		-----	HIGH SCHOOL 2 2
17.	6226	-----	5TH SPECIAL FORCES 2 5
18.	6535	-----	584TH MAINTENANCE
19.	6643	EM	OLD ROD AND GUN CLUB 2 20 1/2
20.	A6643	-----	NEW ROD AND GUN CLUB 2 5
21.	7085	-----	311TH M.T.
22.	7140	-----	BULK FUEL STORAGE 2
23.	7144	-----	OASIS WAREHOUSES 2
24.	7165	-----	AIRBASE TRANSIENT ALERT BLDG. 2 2
25.	7172	-----	OLD AIR BASE 2 7 1/2
26.	7221	EM	NEW AIRBASE LIFT STATION 3 10
27.	7240	-----	WAREHOUSE 2
28.	7271	-----	AVUM HANGER 2 10 & 3
29.	7604	-----	FORESTRY 2
30.	7606	-----	PESTICIDE BLDG 2
31.	7703	EM	GEORGIA ROAD 3 18
32.	7735	EM	OHIO ROAD 2 10
33.	7862	-----	INSTALLATION MAINTENANCE
34.	PSLS11	---	1100 BLOCK 1141-1143 ✓ 1149-1151 ✓ 1164-1166 ✓ 1186-1188 ✓
	PSLS38	---	3800 BLOCK 3809-3811 ✓ 3810-3812 ✓ 3819-3821 ✓ 3838-3839 ✓
	PSLS45	---	4500 BLOCK 4519-4521 ✓ 4550-4552 ✓ 4554-4556 ✓
	PSLS46	---	4600 BLOCK 4688-4690 4692-4694 ✓
	PSLS49	---	4900 BLOCK 4920-4922 ✓ 4924-4926 ✓ 4928-4930 ✓ 4938-4940 ✓ 4945-4947 ✓ 4948-4950 ✓ 4965-4967 ✓ 4978-4980 ✓ 4982-4984 ✓ 4973-4975 ✓

POSSA1 CODE FOR COLLECTION SYSTEM
PONATI CODE FOR WATER SYSTEM

2 HP
3514-3916
single pump.

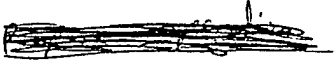
SURVEY NOTES

Current operation

Mainly ON-OFF operation

Major facility 2-pipe system.

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— All capability for Temp. setback for HVAC

— Remote test start for emergency generator (Road & ground branches - Billy Hurst)

— ~~Similar~~ pick up alarm if unit go off line. (Chief Angle 53.)
Remote start-stop. (Judy Hudson O&M)

— Volume & Alarm for UG storage tank.

— Scientific Atlanta for Fm control.

— EMCS all hardware. (currently),
7540 on fiber optic

— (7) bus substations. ~~29~~ ²⁹ ~~subst.~~ ^{subst.} 69 KVA.
7 feeders 5000 KVA
Capacitors ---

— (15) Traffic light only reset on weekends.
on trip wire

— Janice Page - for reimbursable customer metering.
Customer read their own customers.

Fire Alarm on AM System Kitz Fisher (Chief West or Stacy)

Water plant (Jim Evans)

Upgrade past 3 year. (capacity & speed.)
1 school on Robertshaw system (new)

Red River pump. ~~be~~ put on SCADA system

≈ 5200 pts of FM control

Housing

≈ 100 Admin facility.

CB is putting new FM system in. (Jim Pearson)