


TABLE OF CONTENTS

	<u>PAGE</u>
5.1 INTRODUCTION	2
5.2 HARDWARE BLOCK DIAGRAM	3
5.3 GENERAL HARDWARE INFORMATION	4
5.4 STANDARD HARDWARE	5
5.4.1 CENTRAL PROCESSOR	5
5.4.2 VIDEO SUBSYSTEM	5
5.4.3 DISC SUBSYSTEM	6
5.4.4 SYSTEM PERIPHERALS	6
5.4.5 SUPPLEMENTARY INFORMATION	6
5.4.6 SYSTEM BOOK	7

 PROCESS CONTROL DIVISION/PHOENIX		TITLE SYSTEM SPECIFICATION SECTION 5	
MADE BY W. THEBO ISSUED A	APPROVAL	DES CHKR	ME
PRINTS TO	SIZE A CONT ON SH 2	51003275	SH NO. 1

5.1 INTRODUCTION

5.1.1 PURPOSE

The purpose of this section is to describe the equipment contents and requirements for the hardware compliment of PEBO UKW #

This document shall be used as the primary source to design, assemble and configure this hardware compliment.

5.1.2 EQUIPMENT SUMMARY

The project described herein is a Supervisory System comprised of one (1) Supervisory Station with the following options:

- (1) Additional Supervisory System
- (2) Trend Option

The hardware consists of a single processor with MOS Memory and a video cabinet. The bulk memory equipment consists of one 8 million word moving head disc.

The peripheral equipment consists of the following:

- 2 19" Color CRT
- 2 Supervisory Station Operators Keyboard
- 1 Supervisory Station Engineers Keyboard
- 1 Matrix Printer, 120 CPS, KSR, Current I/F
- 1 Floppy Disc - Single Drive



FMF	CGKA
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TITLE	SYSTEM SPECIFICATION SECTION 5
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Honeywell
PROCESS CONTROL DIVISION/PHOENIX

MADE BY	W. THEBO
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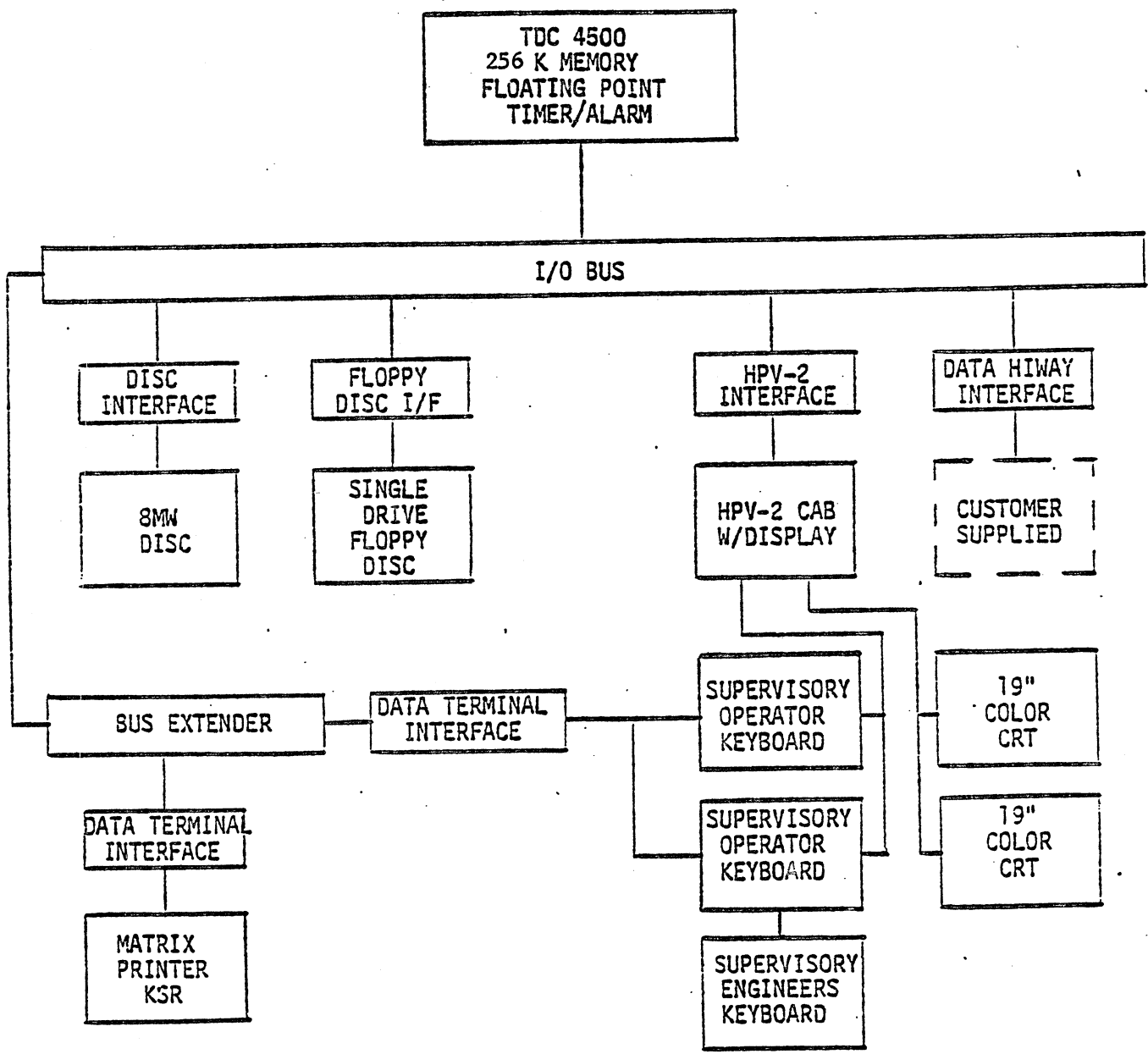
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SIZE	CONT ON SH 3	SH NO. 2
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PEBO - UKW /WESSELING
 50 HZ



5.3 GENERAL HARDWARE INFORMATION

5.3.1 PRIMARY BULK DEVICE

The Primary Bulk Device for this system is the 8 Million Word Disc.

5.3.2 SYSTEM PAINT

Honeywell PCD/Phoenix standard colors

5.3.3 SYSTEM POWER

115 VAC Single Phase, 50 HZ

5.3.4 SYSTEM SOFTWARE

Standard Software Packages include:

- o One disc pack containing Supervisory Software

5.3.5 SYSTEM DOCUMENTATION

Standard Documentation including one set of operations/procedures manuals consisting of the following:

- a. Operations Manual
- b. Applications Manual
- c. Site Planning Manual
- d. Installation Manual
- e. Theory of Operations
- f. Maintenance Procedures

5.3.6 CABINET COMPLEXING

All cabinets will be free standing.

IU		TITLE SYSTEM SPECIFICATION SECTION 5	Honeywell PROCESS CONTROL DIVISION/PHOENIX				
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5.4 STANDARD HARDWARE

5.4.1 CENTRAL PROCESSOR

<u>QTY</u>	<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>
1	ACPU14	4500 CPU: SLOTS: CPU-3, I/O 32: NO MEM.
4	AXME64	64KW MEMORY MODULE
1	AFFP11	FLOATING PT FIRMWARE
1	ATAP11	TIMER/ALARM PACKAGE
1	AXB11	BUS EXTENDER
1	AIDH11	DATA HIWAY INTERFACE
1	ABMC11	BULK MEMORY CONTROLLER
1	ABMS12	BULK MEMORY SUBCONTROLLER: MH DISC
1	AXFD11	FLOPPY DISC INTERFACE
2	AXSP11	DATA TERMINAL INTERFACE
1	APVB11	HPV-2 (COLOR) VIDEO INTERFACE (LOCAL)
1	ACME11	MEMORY EXPANSION CHASSIS

5.4.2 VIDEO SUBSYSTEM

1	AVXC12	HPV-2 CABINET, MAX 3 DISPLAY GENERATORS
1	APVV26	DISPLAY GENERATOR, ONE (1) PORT LOCAL
		TWO (2) PM/C CHANNEL SET
		TWO (2) TREND CHANNEL SET
2	AOSK11	SUPERVISORY STATION OPERATORS KEYBOARD
1	AOEK11	SUPERVISORY STATION ENGINEERS KEYBOARD
2	APVK77	19" COLOR CRT, MOD FURNITURE MOUNT
2	AZVB11	CABLE SET DISPLAY GENERATOR TO CRT - 50'
2	AZVB31	CABLE: DIS GEN TO KEYBOARD (W/LIGHT PEN) 50'
1	AZOC11	CABLE BACKLIGHT CONTROL D.T. I/F TO K.B.
1	AZLV11	25' CABLE HPV-2 I/F TO DG
1	AZAC11	CABLE, 4500 TIMER ALARM TO KEYB'D.
1	AZOC21	CABLE; KEYBOARD TO KEYBOARD (DT I/F) - 50'
1	AZAC21	CABLE; KEYBOARD TO KEYBOARD (TIMER ALARM) - 50'

5.4.3 DISC SUBSYSTEM

1	ADSC32	DISC DRIVE - FIRST 8MW 50 HZ
1	AZDS12	DISC CABLE SET TO FIRST DISC - 40'
1	ADSC41	ADDITIONAL DISC PACK

5.4.4 SYSTEM PERIPHERALS


<u>QTY</u>	<u>MODEL NUMBER</u>	<u>DESCRIPTION</u>
1	AFDD11	SINGLE DRIVE FLOPPY DISC 50 HZ
1	AZFD11	CABLE: FLOPPY DISC 25'
1	AMPB23	MATRIX PRINTER KSR 120 CPS: CURRENT I/F 50 HZ
1	AZAT11	DATA TERMINAL CABLE - CURRENT I/F 50'
1	AZTD11	CABLE: HIWAY TRAFFIC DIRECTOR 50'
10	AFDM11	FLOPPY DISKETTES

5.4.5 SUPPLEMENTARY INFORMATION

This computer system will be integrated into a TDC 2000 system at the customer site. The CRTs and two (2) keyboards will be mounted into PCD/Ft. Washington furnished modular furniture at the time of integration.

5.4.6 WARRANTY INFORMATION

Standard Honeywell PCD/P Warranty of twelve (12) months parts only applies.

	TITLE SYSTEM SPECIFICATION SECTION 5	Honeywell PROCESS CONTROL DIVISION/PHOENIX
FMF CGKA	APPROVAL	PRINTS TO
MADE BY W. THEBO	DES	A 51003275
ISSUED A	CHKR	SIZE CONT ON SH 7 SH NO. 6

SUBS TYPE

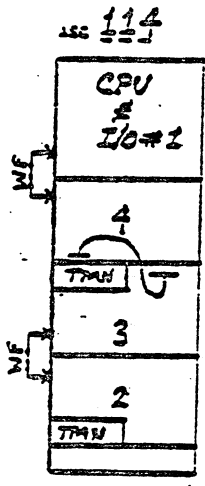
ORDER TYPE

- STANDARD - 30 DAY
- STANDARD - LONG LEAD
- SPECIAL

- SYSTEM
- EXPANSION
- OTHER

	PN#	ADDRESS	PRIORITY	REV.
MEM, SUPPL.	1			
	2			
	3			
	4			
	5			
	6			
	7	AXME64		
	8	AXME64		
CPU	1	AXME64		
	2	AXME64		
	3		ASMP#1 NO	
	4			
	5	MEM#1		
	6	MEM#2	ASFP#1 YES	
	7	MEM#3		
	8	MEM#4		
BUS 1 I/O #1	1	AXTS11 ATAP11	4300	53
	2	HICAT1 AIDH11		
	3			
	4	HIDA1	6502	33
	5	AXFD11	4006	35
	6	PVIC4, APVB11	5402	37
	7			
	8			
BUS 2 I/O #1	1	AXIMP1 ABMC11	4004	36
	2	AXMFE1		
	3			
	4			
	5			
	6	AXMHC2 ABMS12		
	7	AXFCU2		
	8			
BUS 2 I/O #2	1	AXBE11	7600	53
	2	PTTA1 AXSP11	4100	33
	3			
	4	PTTA1 AXSP11	7300	35
	5			
	6			
	7			
	8			

TTY, BACKUP	NO
MEM EXPR.	YES
CPU	
I/O #1	
PN#	
I/O #2	
I/O #3	
I/O #4	
PN#	



NAMEPLATE YES X NO

YES X NO

MODEL - HARDWARE LIST:

1	ACPU14	4500 CPU
4	AXME64	64K Memory
1	AFFP11	Floating Point
1	ATAP11	Timer/Alarm
1	AXBEL1	Bus. Extender
1	AIDH11	Data Hiway
1	ABMC11	Bulk Controller
1	ABMS12	MH Disc Sub-Cont.
1	AXFD11	Floppy Disc
2	AXSP11	Terminal Intf.
1	APVB11	HPV-2
1	ACME11	MEM. XPN. CHAS.

COLOR STD. SPCL.

OTHER _____

A 51003275

REVISIONS

POWER: 60HZ _____ 50HZ X

COLOR: STD X SPCL _____

BUILD TYPE

X STANDARD - 30 DAY
 STANDARD - LONG LEAD
 SPECIAL

ORDER TYPE

X SYSTEM
 EXPANSION
 OTHER

MODEL - HARDWARE LIST

<u>QTY</u>	<u>MODEL</u>	<u>DESCRIPTION</u>
2	APVK77	19" Color CRT, Mod furniture mount
1	ADSC32	Disc Drive - first 8 MW 50 Hz
1	ADSC41	Additional Disc Pack
1	AFDD11	Single Drive Floppy Disc
1	AMPB23	Matrix Printer KSR 120 CPS: Current
10	AFDM11	Floppy Diskettes

FCF	TITLE	SS5/System Book - Peripheral		Honeywell PROCESS CONTROL DIVISION/PHOENIX			
FMF	CGKA						
MADE BY	ILENE DODD	APPROVAL	DES	ME	PRINTS TO	A	51003275
ISSUED	A		CHKR			SIZE	CONT ON SH F SH NO. 9