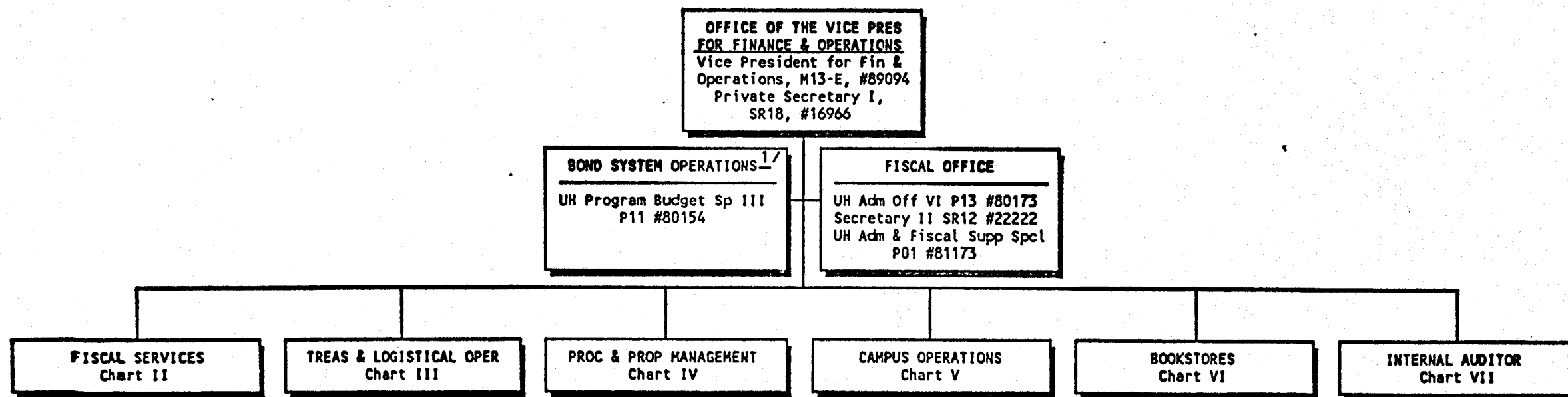


State of Hawaii  
University of Hawaii  
Systemwide Administration  
Vice President for Finance & Operations

CHART I



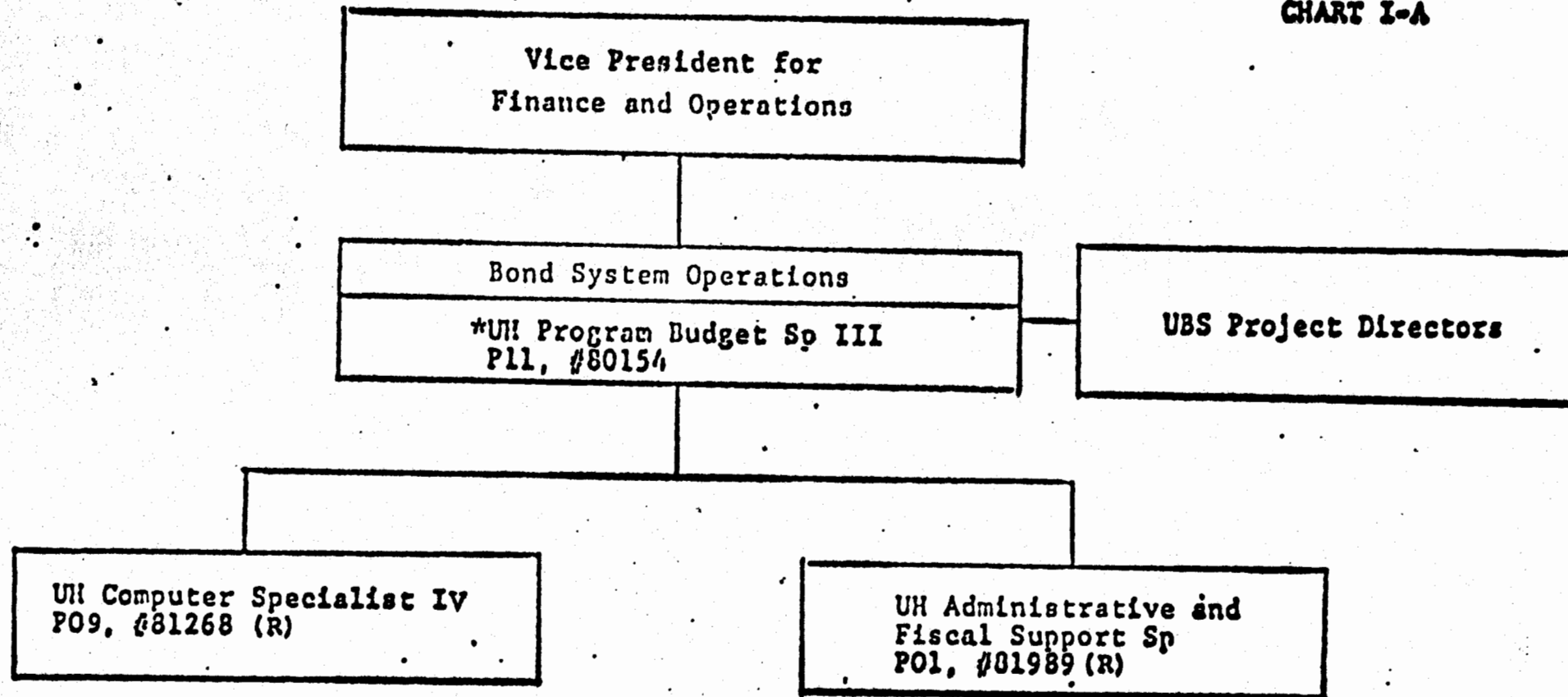
<sup>1/</sup> See Chart I-A

**CHART UPDATED**  
**JUN 30 1990**  
DATE \_\_\_\_\_

State of Hawaii  
University of Hawaii  
Systemwide Administration  
Vice President for Finance  
and Operations

BOND SYSTEM OPERATIONS

CHART I-A



\*To be redescribed.

CHART UPDATED

DATE JUN 30 1990

STATE OF HAWAII  
UNIVERSITY OF HAWAII

VICE-PRESIDENT FOR FINANCE  
AND OPERATIONS

FISCAL SERVICES

CHART II

CURRENT

VICE-PRESIDENT FOR  
FINANCE AND OPERATIONS

POS. TRANSFERRED  
89006 SEE  
CANT. & GRANTS  
CHART

Director of Financial Operations M08-AM,  
#89212

Contracts & Grants Administrator M06-AM,  
#89006\*

UH Fiscal Accounting Specialist IV,  
P09, #80143

Secretary III, SR14, #11952

**CHART UPDATED**

DATE JUN 30 1990

CONTRACTS & GRANTS  
MANAGEMENT  
OFFICE

Chart IIA

DISBURSING & PAYROLL  
OFFICE

Chart IIB

CENTRAL ACCOUNTING  
OFFICE

Chart IIC

\*To be reclassified

STATE OF HAWAII  
UNIVERSITY OF HAWAII

OFFICE OF THE VICE PRESIDENT  
FOR FINANCE AND OPERATIONS

FISCAL SERVICES  
CONTRACTS & GRANTS MANAGEMENT OFFICE

CHART II A

DIRECTOR OF  
FINANCIAL OPERATIONS

CONTRACTS AND GRANTS MANAGEMENT OFFICE

Contracts & Grants Administrator, M-06, #89006

STENOGRAPHIC SECTION

Secretary II, SR-14, #00786  
Clerk-Typist II, SR-08, #19369

CONTRACTS AND GRANTS ADMINISTRATIVE DIVISION

UH Fiscal Acctg Spec V, P-11, #80147  
UH Fiscal Acctg Spec V, P-11, #81317  
UH Institutional Analyst III, P-10, #80145  
UH Admin & Fiscal Suppt Spec, P-01, #80161

FEDERAL COMPLIANCE AND  
AUDIT COORDINATION DIVISION

UH Fiscal Acctg Spec IV, P-09,  
#81017  
UH Admin & Fiscal Suppt Spec,  
P-01, #81259

ACCOUNTING, REPORTING AND CASH MANAGEMENT DIVISION

UH Fiscal Acctg Spec V, P-11, #81645  
UH Fiscal Acctg Spec III, P-07, #81263  
Acct Clk IV, SR-13, #14776  
Acct Clk IV, SR-13, #15526  
Acct Clk IV, SR-13, #14020  
Acct Clk IV, SR-13, #31590  
UH Fiscal Acctg Spec II, P-05, #81471  
UH Admin & Fiscal Suppt Spec, P-01, #80139

Approved By: \_\_\_\_\_

Vice President for Finance & Operations

Title: \_\_\_\_\_

Date: \_\_\_\_\_

APR 24 1991

Approved by: Karl J. 147.  
Title: Vice President for Finance & Operations  
Date: \_\_\_\_\_

**DIRECTOR OF  
FINANCIAL OPERATIONS**

STATE OF HAWAII  
UNIVERSITY OF HAWAII

OFFICE OF THE VICE PRESIDENT  
FOR FINANCE AND OPERATIONS

FISCAL SERVICES  
CONTRACTS & GRANTS MANAGEMENT OFFICE

CHART II A  
CURRENT

**CONTRACTS & GRANTS MANAGEMENT OFFICE**

UH Fiscal Acctg. Specialist VI, P13,  
#80976

**STENOGRAPHIC SECTION**

Secretary II, SR-12, #786  
Clerk-Typist, SR-08, #19369

CHART UPDATED

DATE JUN 30 1990

**CONTRACTS AND GRANTS  
ADMINISTRATIVE DIVISION**

UH Fiscal Acctng. Spec. V,  
P-11, #80147  
UH Fiscal Acctng. Spec. V,  
P-11, #81317  
UH Institutional Analyst II,  
P-08, #80145  
UH Admin/Fiscal Suppt. Spec,  
P-01, #80161

**FEDERAL COMPLIANCE AND  
AUDIT COORDINATION DIVISION**

UH Fiscal Acctg. Sp. IV,  
P-09, #81017  
UH Fiscal Acctg. Sp. II,  
P-05, #81259

**ACCOUNTING, REPORTING AND  
CASH MANAGEMENT DIVISION**

UH Fiscal Acctg. Spec. V,  
P-11; #81645  
UH Fiscal Acctg. Sp. III,  
P-07, #81263  
UH Fiscal Acctng. Spec. II,  
P-05, #81471  
UH Fiscal Acctng. Spec. II,  
P-05, #80139  
Acct. Clk IV, SR-13, #14776  
Acct. Clk IV, SR-13, #15526  
Acct. Clk IV, SR-13, #14020  
Acct. Clk IV, SR-13, #31590

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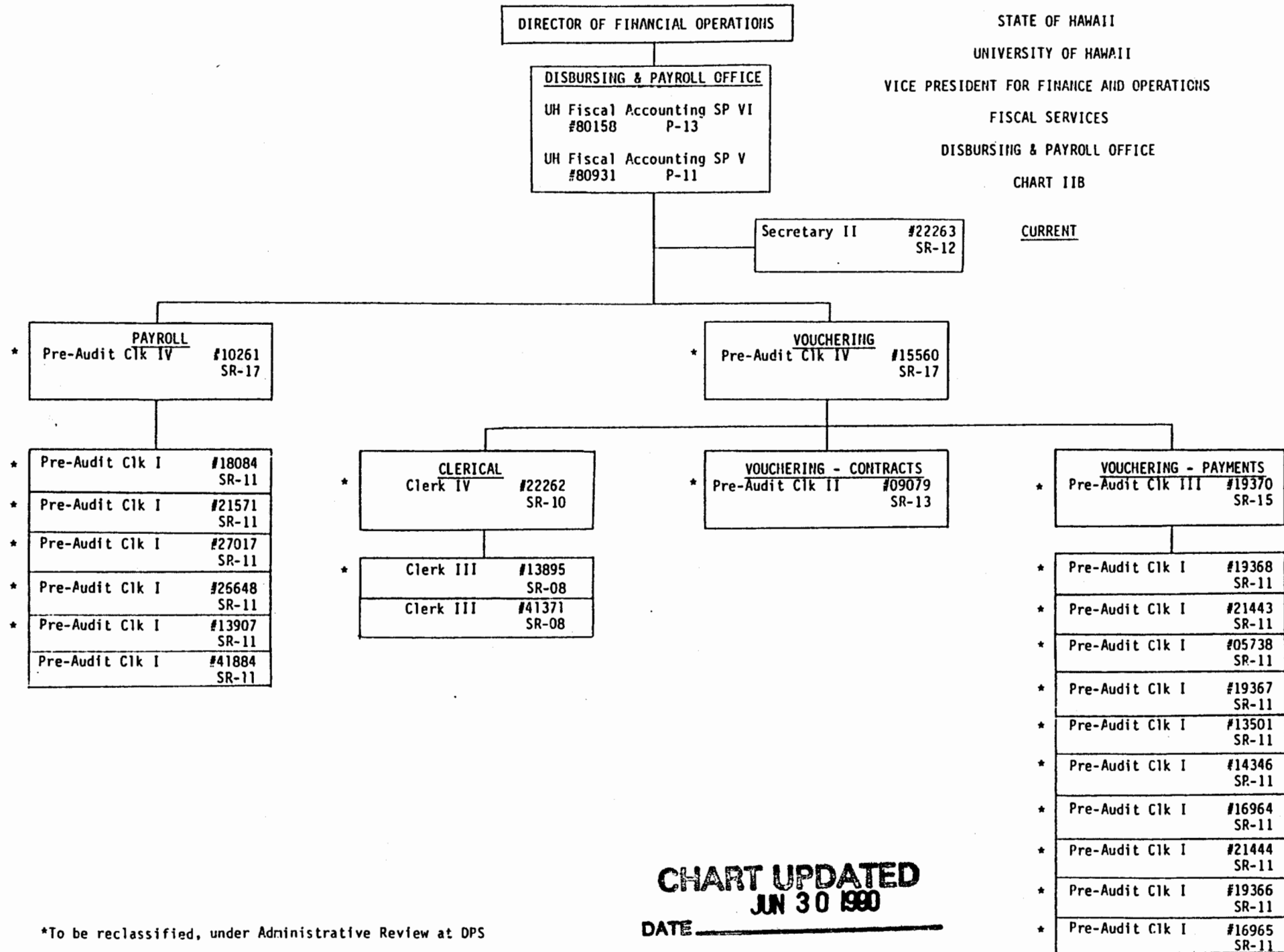
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1988

CHART UPDATED

JUN 30 1989

SUPERSEDED REORG.  
4/24/91



**CHART IIC**

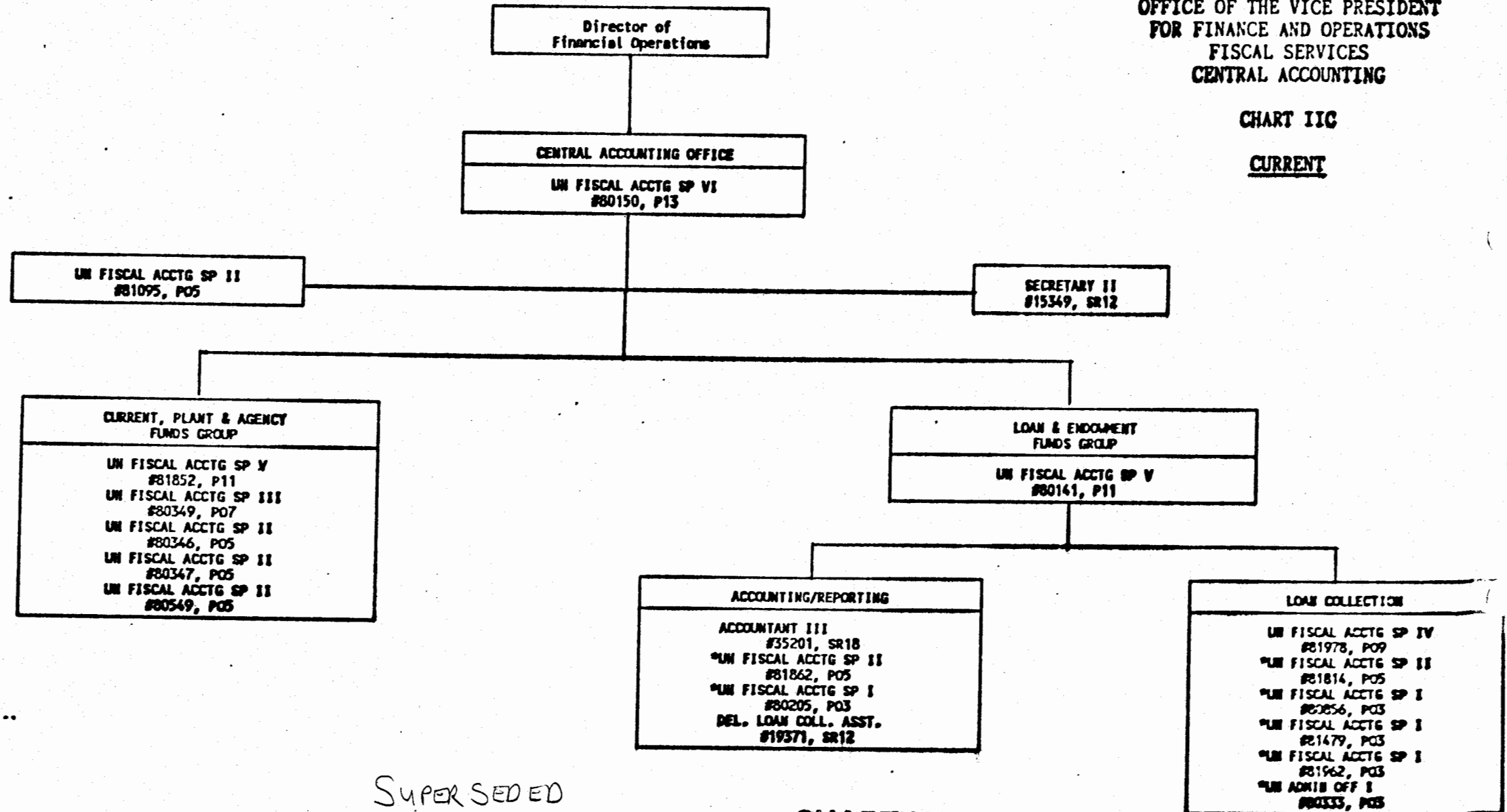


\* To be redescribed.

UNIVERSITY OF HAWAII  
OFFICE OF THE VICE PRESIDENT  
FOR FINANCE AND OPERATIONS  
FISCAL SERVICES  
CENTRAL ACCOUNTING

CHART IIC

CURRENT



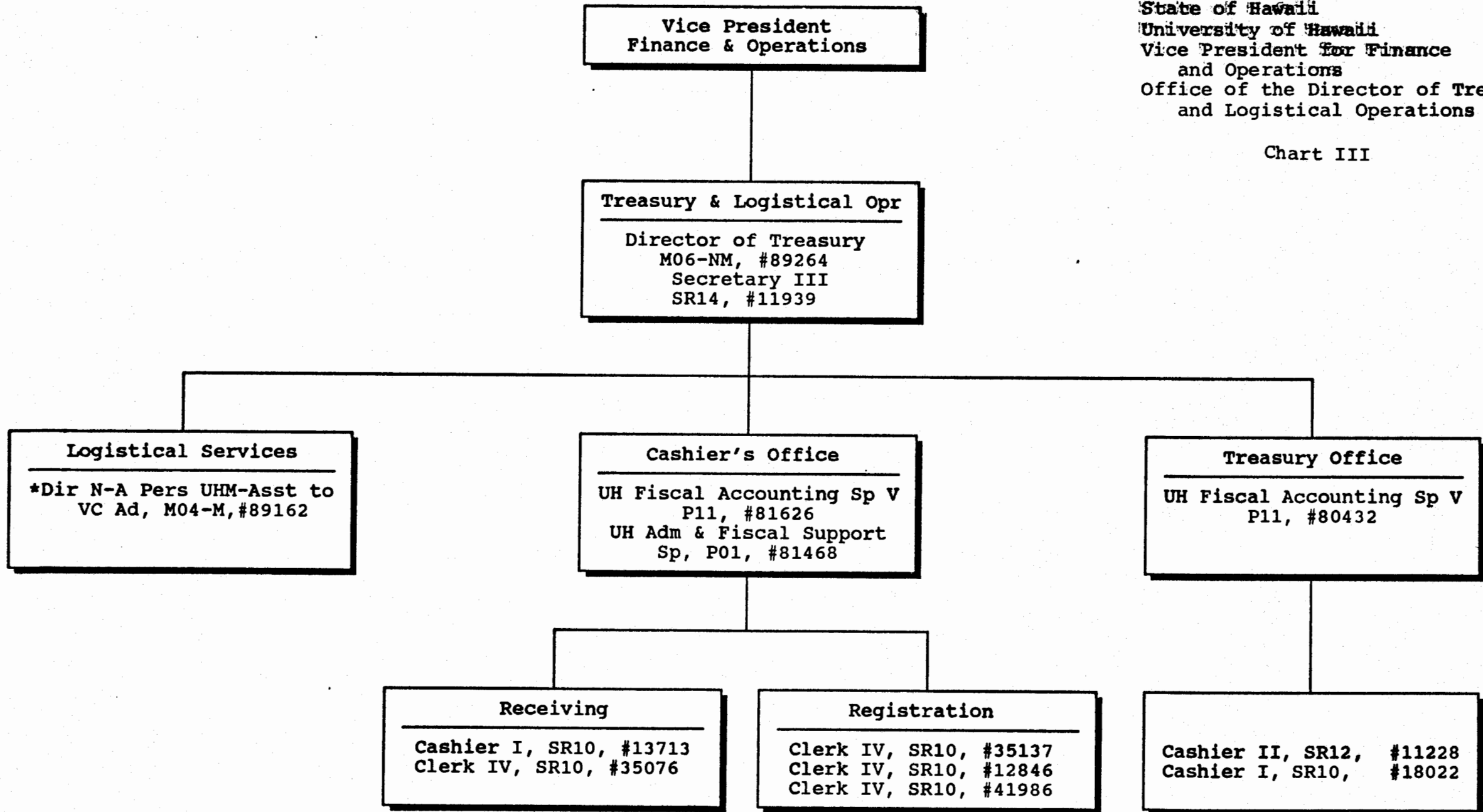
SUPERSEDED  
REORG. 1/2/91

CHART UPDATED

DATE JUN 30 1990

\*Federal-Funded Positions

Chart III



\*To be redescribed and reclassified.

**CHART UPDATED**  
DATE JUN 30 1990

State of Hawaii  
University of Hawaii  
Vice President for Finance  
and Operations  
Procurement & Property  
Management Office

Chart IV

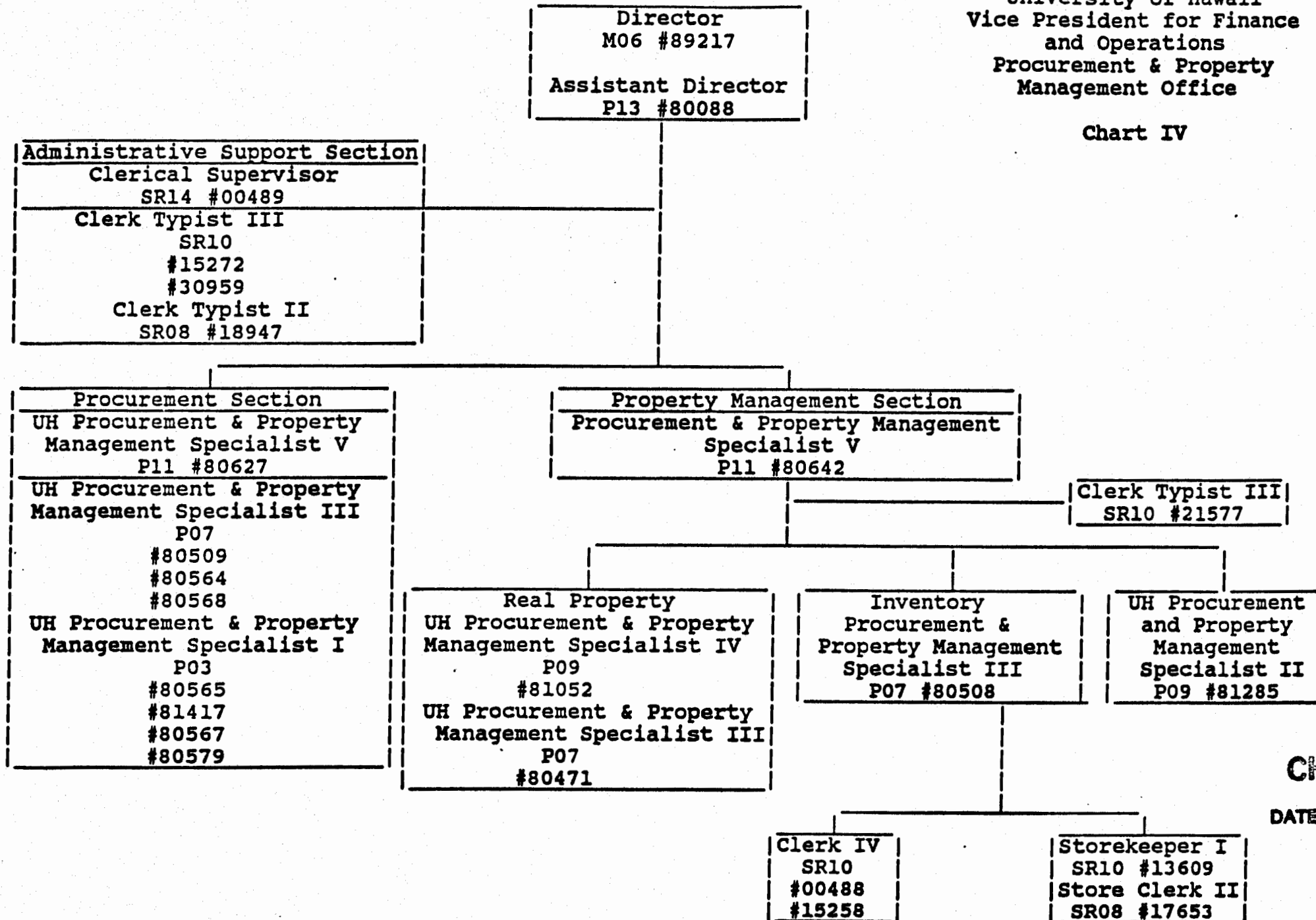


CHART UPDATED

DATE JUN 30 1989

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS

CAMPUS OPERATIONS  
CHART V

CURRENT

VICE PRESIDENT  
FOR  
FINANCE AND OPERATIONS

CAMPUS OPERATIONS

|                               |       |        |
|-------------------------------|-------|--------|
| Director of Campus Operations | M-08  | #89233 |
| Secretary III                 | SR-14 | #36576 |

Administrative  
Services  
Chart V-A

Facilities Planning &  
Management  
Chart V-B

Auxiliary Services  
Chart V-C

Buildings & Grounds  
Management  
Chart V-D

Environmental Health  
& Safety  
Chart V-E

CHART UPDATED

DATE JUN 30 1990

OFFICE OF THE  
DIRECTOR OF CAMPUS OPERATIONS

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS

CAMPUS OPERATIONS  
CHART V-A

CURRENT

ADMINISTRATIVE SERVICES

Director of Administrative Services

UH Administrative Officer VI      P-13    #80191  
Clerk-Typist II                      SR-08    #40446

PERSONNEL & COMPUTER

UH Personnel Officer    P-05   #81200  
Clerk III                      SR-08   #37882

PROCUREMENT

UH Procurement & Property Mgmt Sp III  
                                         P-07   #81857  
UH Procurement & Property Spec. I  
                                         P-03   #80247  
UH Adm. & Fiscal Support Spec.  
                                         P-01   #80601

FISCAL

UH Administrative Officer III  
                                         P-07   #80878  
Account Clerk II                      SR-08   #27258  
UH Administrative Officer II  
                                         P-05   #81505  
Account Clerk IV                      SR-13   #15948  
Account Clerk III                      SR-11   #13572

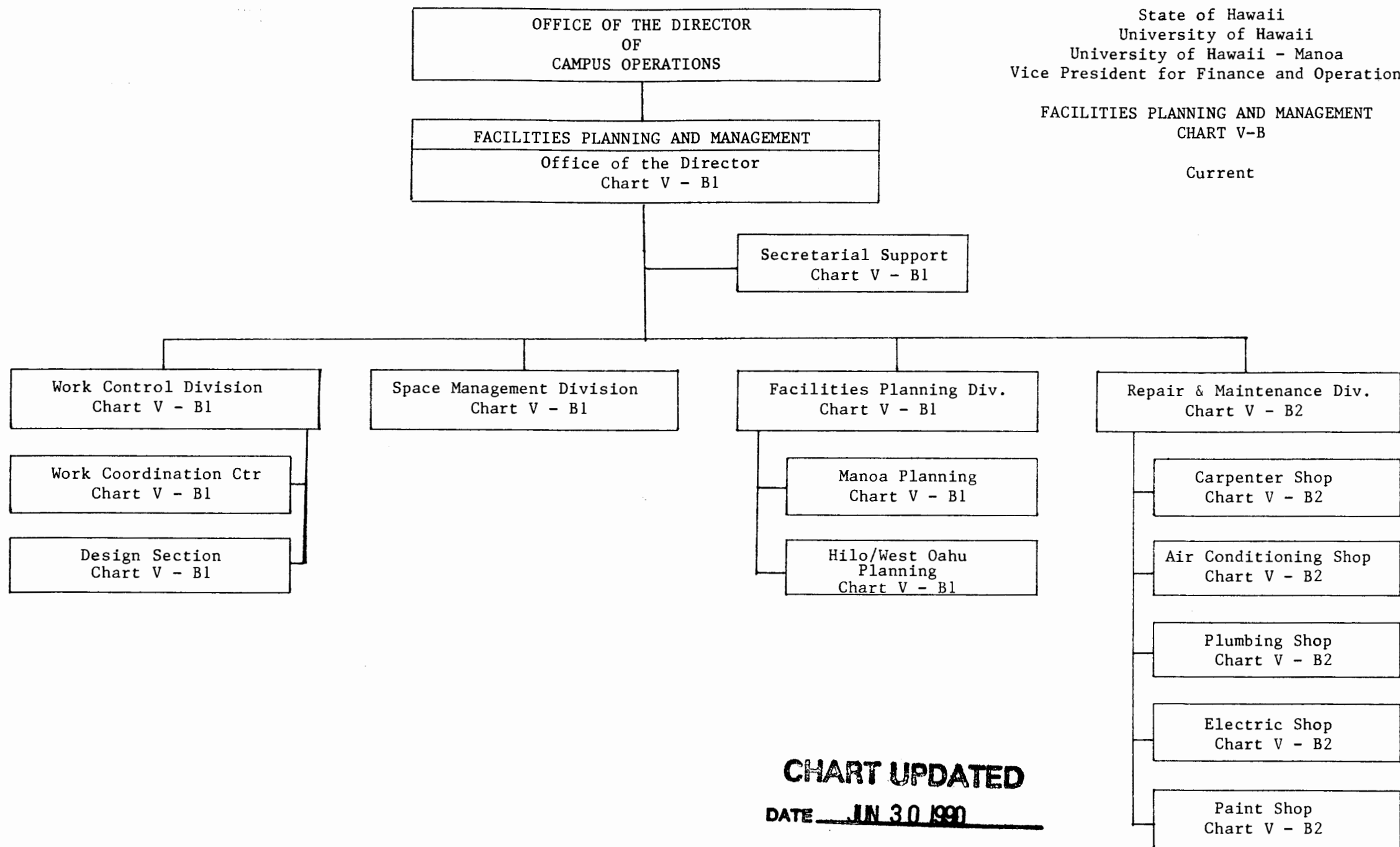
Establishment pending:

UH Administrative Officer I, P-03, #98799F

Account Clerk III, SR-11, #90020F

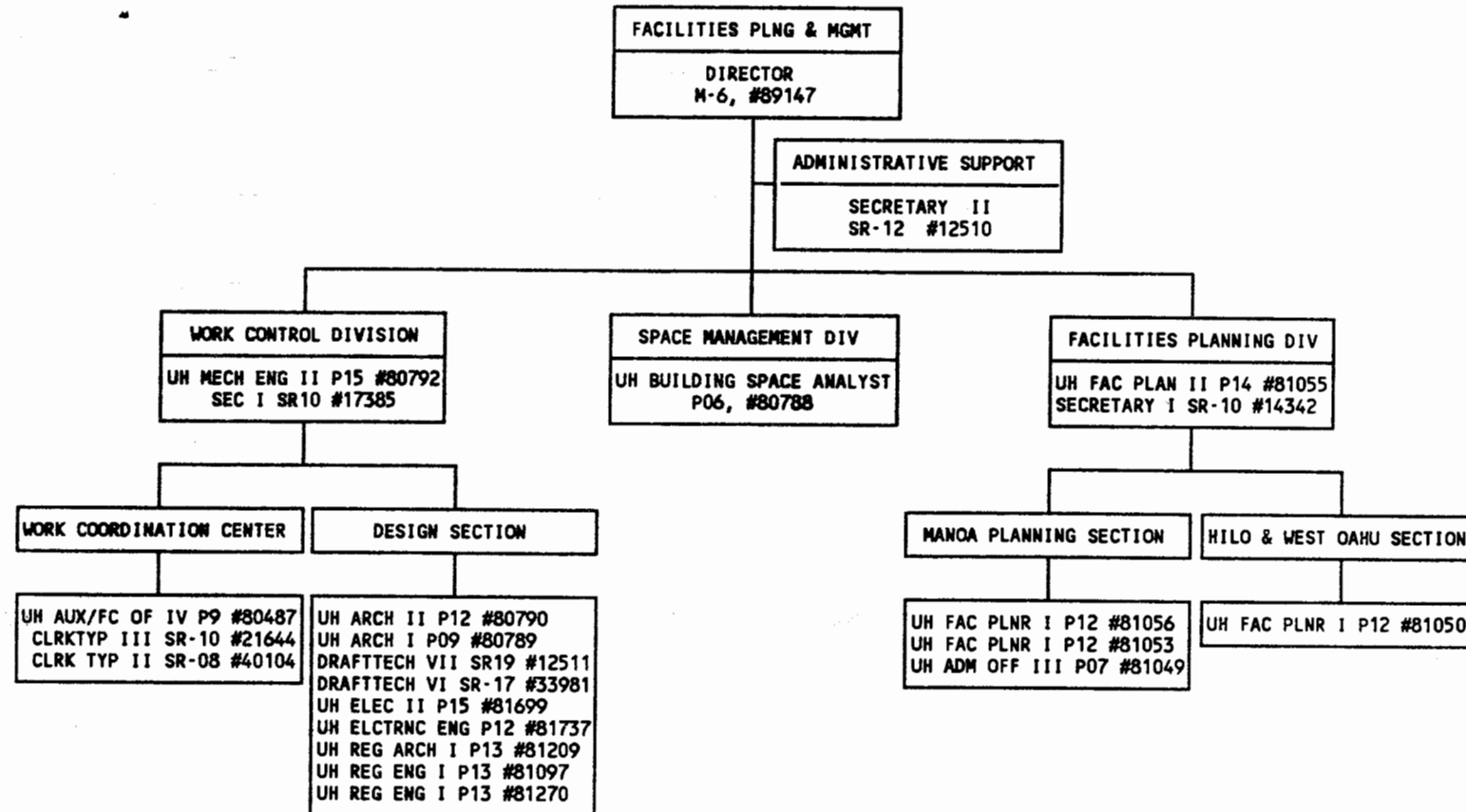
**CHART UPDATED**

DATE JUN 30 1990



UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE & OPERATIONS  
FACILITIES PLANNING & MANAGEMENT  
CHART V-B1

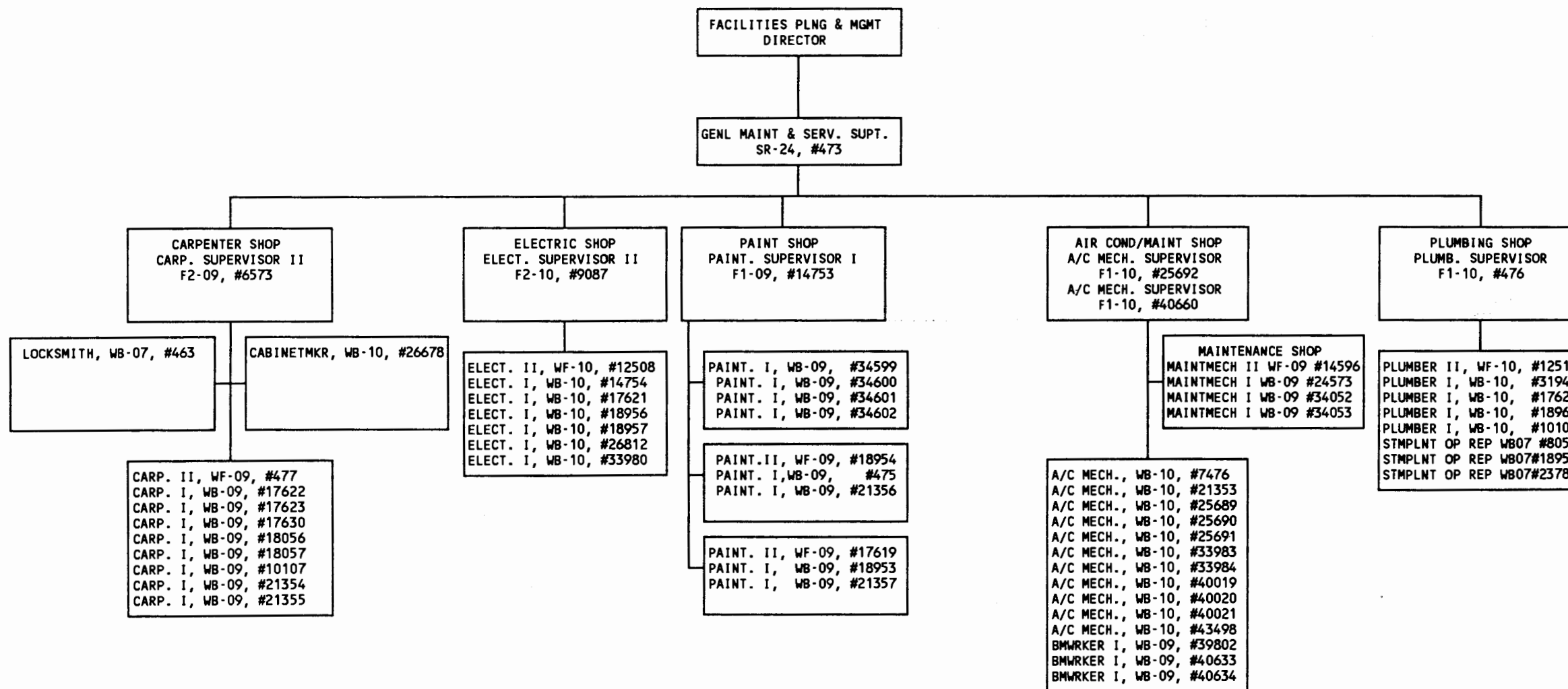
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Pending Establishment:

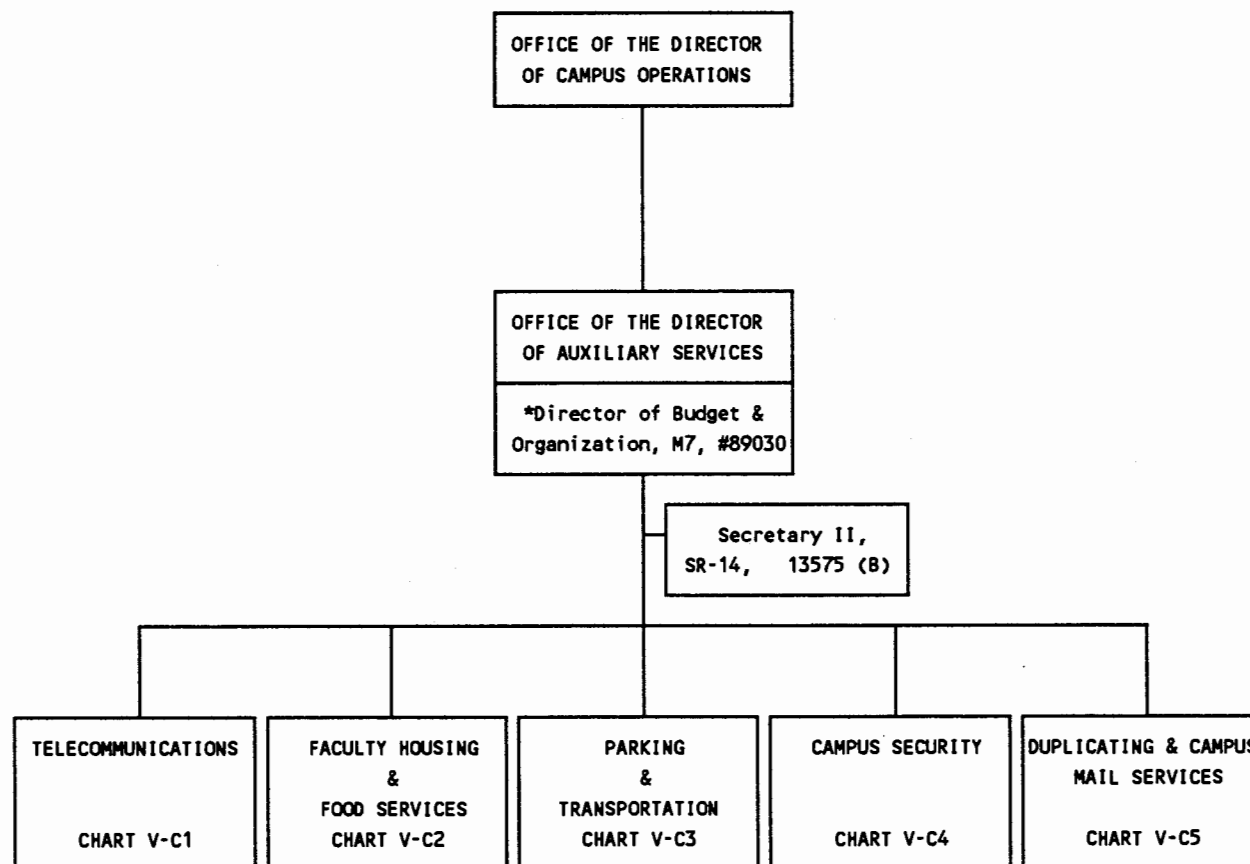
UOH-106, Planner Architect, P-15, #99567F  
UOH-903, Drafting Tech., SR-13, #98088F  
UOH-106, Clerk Typist III, SR-10, #90022F

**CHART UPDATED**  
DATE JUN 30 1980



**CHART UPDATED**  
JUN 30 1990  
DATE \_\_\_\_\_

STATE OF HAWAII  
 UNIVERSITY OF HAWAII  
 UNIVERSITY OF HAWAII AT MANOA  
 VICE PRESIDENT FOR FINANCE & OPERATIONS  
 CAMPUS OPERATIONS  
 AUXILIARY SERVICES  
 CHART V-C



\*To be redescribed

General Funds 1.00  
 (B) Special Funds 1.00

APPROVED BY: *Rage*  
 TITLE: Vice President for Finance & Operations  
 DATE: 4/1/91

OFFICE OF THE DIRECTOR  
OF AUXILIARY SERVICES

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C1

TELECOMMUNICATIONS

\*UH Auxiliary & Facilities Services Officer IV,  
P-09, #80500  
UH Auxiliary & Facilities Services Officer IV,  
P-09, #80827

MAINTENANCE & SUPPORT

GTE Hawaiian Telephone Formal Contract

SERVICE OPERATIONS

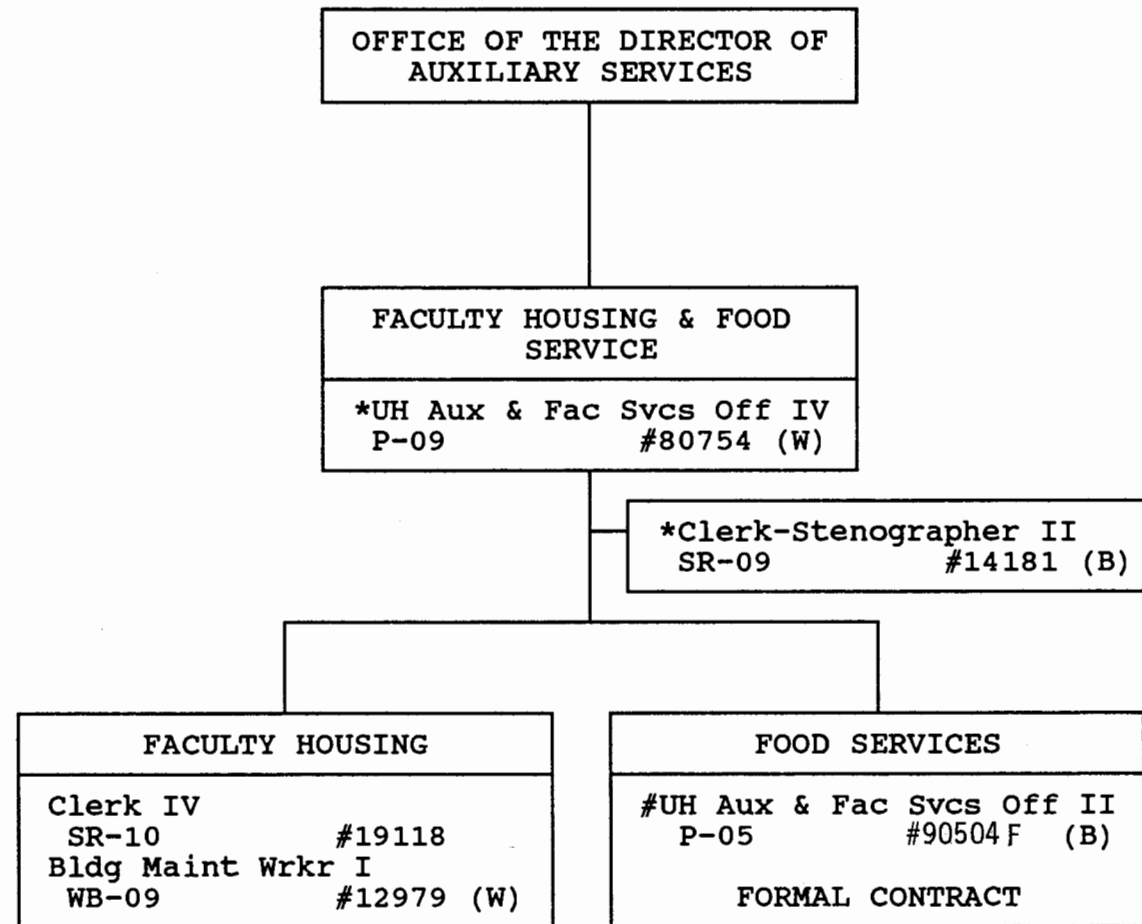
\*UH Elec Engineer I, P-12, #81837  
UH Aux & Fac Svcs Off III, P-07, #81702  
Clerk III, SR-08, #22676  
Telephone Switchboard Oper III, SR-09, #00781  
Telephone Switchboard Oper II, SR-07,  
#07467, #11960, #12859

\* To be redescribed

General Funds 9.00

APPROVED BY: Ralph Hunt  
TITLE: Vice President for Finance & Operations  
DATE: 4/1/91

STATE OF HAWAII  
 UNIVERSITY OF HAWAII  
 UNIVERSITY OF HAWAII AT MANOA  
 VICE PRESIDENT FOR FINANCE & OPERATIONS  
 CAMPUS OPERATIONS  
 AUXILIARY SERVICES  
 CHART V-C2



\* To be redescribed  
 # Establishment Pending - #90504 F

General Funds 1.00  
 (B) Special Funds 2.00  
 (W) Revolving Funds 2.00

APPROVED BY: Page 2.125f  
 TITLE: Vice President for Finance & Operations  
 DATE: 4/1/91

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C3

OFFICE OF THE  
DIRECTOR OF AUXILIARY SERVICES

PARKING & TRANSPORTATION  
SERVICES

\*UH Aux & Fac Svcs Off IV,  
P-09, #80001 (W)

\*Clerk-Typist II, SR-08, #40070 (W)

PARKING SERVICES

Clerical Supv. II, SR-12, #15593 (W)  
Cashier Clerk, SR-08, #17431 (W)

Clerk III, SR-08, #30523 (W)  
#Clerk III, SR-08, #90002F (W)

TRANSPORTATION SERVICES

Automotive Svcs Supt V, SR-24, #13997 (B)  
Clerical Supv. I, SR-10, #21904 (B)  
Clerk III, SR-08, #43822 (B)  
Clerk IV, SR-10, #00407 (B)  
Automotive Mech Supv I, F1-10, #03369 (B)  
Auto Mechanic II, WF-10, #09078 (B)  
Auto Mechanic I, WB-10, #04483 (B),  
#07480 (B), #22681 (B)

\* To be redescribed  
# Establishment Pending - #90002F

(B) Special Funds 9.00  
(W) Revolving Funds 6.00

APPROVED BY: Ray S. 1-51

TITLE: Vice President for Finance & Operations

DATE: 4/1/91

OFFICE OF THE DIRECTOR  
OF AUXILIARY SERVICES

CAMPUS SECURITY

\*UH Auxiliary & Facilities Services Officer V,  
P-11, #80756(W)  
UH Auxiliary & Facilities Services Officer III,  
P-07, #80477

University Security Officer III, SR-18, #19559  
University Security Officer II, SR-16,  
#3574, #12149, #13852, #39544  
University Security Officer I, SR-14,  
#3575, #13851, #24542, #24574,  
#24575, #24576, #28608, #28609,  
#28610, #28611, #29174, #30526,  
#36659, #36660, #36661, #36662,  
#36667, #36668, #39488, #39489,  
#39491, #39492, #39493  
Telephone Switchboard Operator II, SR-07, #41325

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C4

\* To be redescribed

General Funds 30.00  
(W) Revolving Funds 1.00

APPROVED BY: [Signature]  
TITLE: Vice President for Finance & Operations  
DATE: 4/1/91

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C5

OFFICE OF THE  
DIRECTOR OF AUXILIARY SERVICES

DUPLICATING & MAIL SERVICES

DUPLICATING SERVICES

\*Printshop Supv. II, F3-08, #05052  
Printshop Supv. I, F1-08, #13687  
Offset Press Opr. II, WB-08, #00777  
#00778, #00784, #03456,  
#10267, #19022  
Clerk II, SR-06, #06957

CAMPUS MAIL SERVICES

\*Clerical Supv. II, SR-12, #00469  
Clerk III, SR-08, #14213, #19438  
Clerk II, SR-06, #00468, #41159,  
#41160, #41161

\* To be redescribed

General Funds 16-00

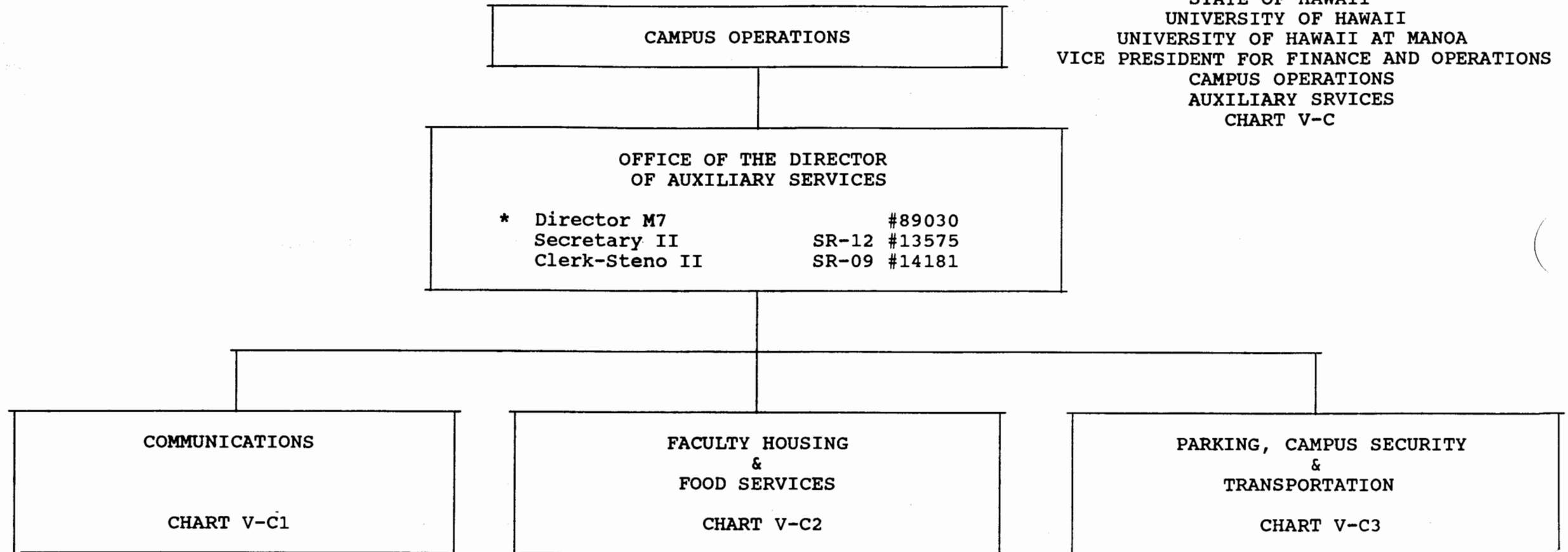
APPROVED BY:

TITLE: Vice President for Finance & Operations

DATE:

4/1/91

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C



\* To be redescrbed.

SUPERSEDED  
REORG. 4/1/91

**CHART UPDATED**  
DATE JUN 30 1990

OFFICE OF THE  
DIRECTOR OF AUXILIARY SERVICES

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS

CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C1

CURRENT

COMMUNICATIONS

UH AUXILIARY & FACILITIES SERVICES OFFICER IV  
P-09 #80500

TELECOMMUNICATIONS

|                             |             |
|-----------------------------|-------------|
| UH Auxil & Fac Svcs Off III | P-07        |
|                             | #81702      |
| Clerk III                   | SR-8 #22676 |
| Tel Swtchbd Op III          | SR-9 #00781 |
| Tel Swtchbd Op II           | SR-7 #11960 |
| Tel Swtchbd Op II           | SR-7 #07467 |
| Tel Swtchbd Op II           | SR-7 #12859 |

DUPLICATING SERVICES

|                      |       |        |
|----------------------|-------|--------|
| * Printshop Supv. II | F3-8  | #05052 |
| Printshop Supv. I    | F1-8  | #13687 |
| Offset Press Opr. II | WB-8  | #19022 |
| Offset Press Opr. II | WB-8  | #00777 |
| Offset Press Opr. II | WB-8  | #00778 |
| Offset Press Opr. II | WB-8  | #10267 |
| Offset Press Opr. II | WB-8  | #03456 |
| Offset Press Opr. II | WB-8  | #00784 |
| Clerk II             | SR-06 | #06957 |

CAMPUS MAIL SERVICES

|                     |       |        |
|---------------------|-------|--------|
| * Clerical Supv. II | SR-12 | #00469 |
| Clerk III           | SR-08 | #19438 |
| Clerk III           | SR-08 | #14213 |
| Clerk II            | SR-06 | #00468 |
| Clerk II            | SR-06 | #41159 |
| Clerk II            | SR-06 | #41160 |
| Clerk II            | SR-06 | #41161 |

\* To be redescribed.

SUPERSEDED

Reorg. 4/1/91

CHART UPDATED  
JUN 30 1990  
DATE \_\_\_\_\_

OFFICE OF THE  
DIRECTOR OF AUXILIARY SERVICES

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS

CAMPUS OPERATIONS  
CHART V-C2

CURRENT

FACULTY HOUSING &  
FOOD SERVICES

\* UH AUXILIARY & FACILITIES SERVICES OFFICER IV  
Clerk IV  
P-09 #80754  
SR-10 #19118

FACULTY HOUSING

Bldg. Maint. Worker I WB-09 #12979

FOOD SERVICES

Formal Contract

\*To be redescribed.

Establishment Pending

UH Auxil & Fac Svcs Ofcr II, P-05, #90504F

SUPERSEDED  
REORG. 4/1/91

CHART UPDATED  
DATE JUN 30 1990

OFFICE OF THE  
DIRECTOR OF AUXILIARY SERVICES

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS

CAMPUS OPERATIONS  
AUXILIARY SERVICES  
CHART V-C3

CURRENT

PARKING, CAMPUS SECURITY  
& TRANSPORTATION SERVICES

UH AUXILIARY & FACILITIES SERVICES OFFICER V  
P-11 #80756  
UH AUXILIARY & FACILITIES SERVICES OFFICER IV  
P-09 #80001  
Clerk-Typist II SR-08 #40070

PARKING SERVICES

Clerical Supv. III SR-14 #15593  
Cashier-Clerk SR-08 #17431  
Clerk III SR-08 #30523

TRANSPORTATION SERVICES

Automotive Svcs Supt V SR-24 #13997  
Clerical Supv. I SR-10 #21904  
Clerk IV SR-10 #00407  
Auto Mech Supv I F1-10 #03369  
Auto Mech II WF-10 #09078  
Auto Mech I WB-10 #04483  
Auto Mech I WB-10 #22681  
Auto Mech I WB-10 #07480

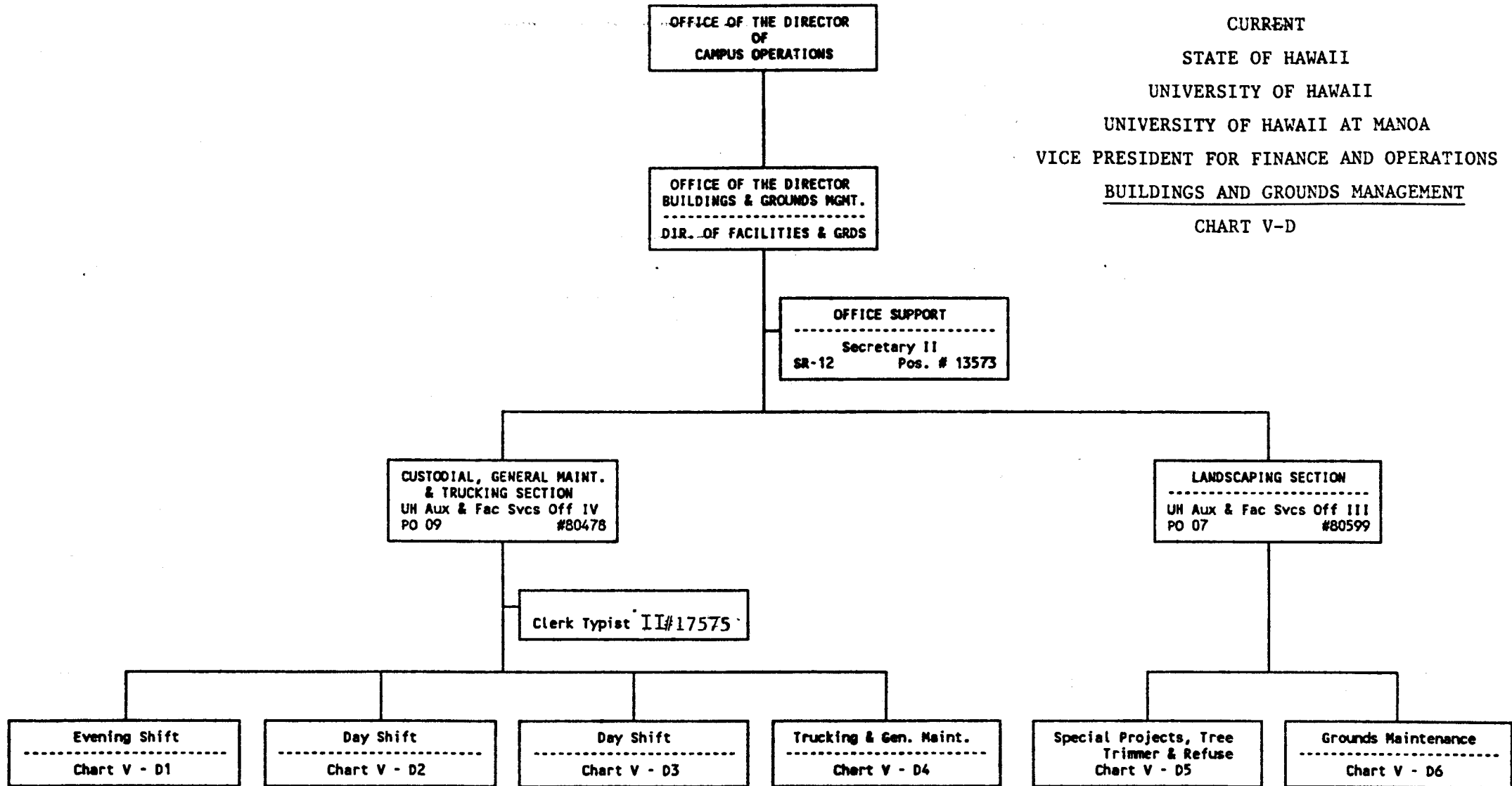
CAMPUS SECURITY

UH Aux & Fac Svcs Off III P-07 #80477  
Security Officer III SR-17 #19559  
Security Officer II SR-15  
#3574, #12149, #13852, #39544  
Security Officer I SR-13  
#3575, #13851, #24542, #24574,  
#24575, #24576, #28608, #28609,  
#28610, #28611, #29174, #30526,  
#36659, #36660, #36661, #36662,  
#36667, #36668, #39488, #39489,  
#39490, #39491, #39492, #39493  
Tel. Swtchbrd Op II SR-07 #41325

Establishment Pending:  
Clerk III, SR-08, #90002F  
Clerk Typist II, SR-08, #90001F

SUPERSEDED  
REORG. 4/1/91

CHART UPDATED  
DATE JUN 30 1990



CURRENT  
STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT  
CHART V-D

CHART V - D

CHART UPDATED  
DATE JUN 30 1990

EVENING SHIFT

CURRENT

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT  
CHART V - D1

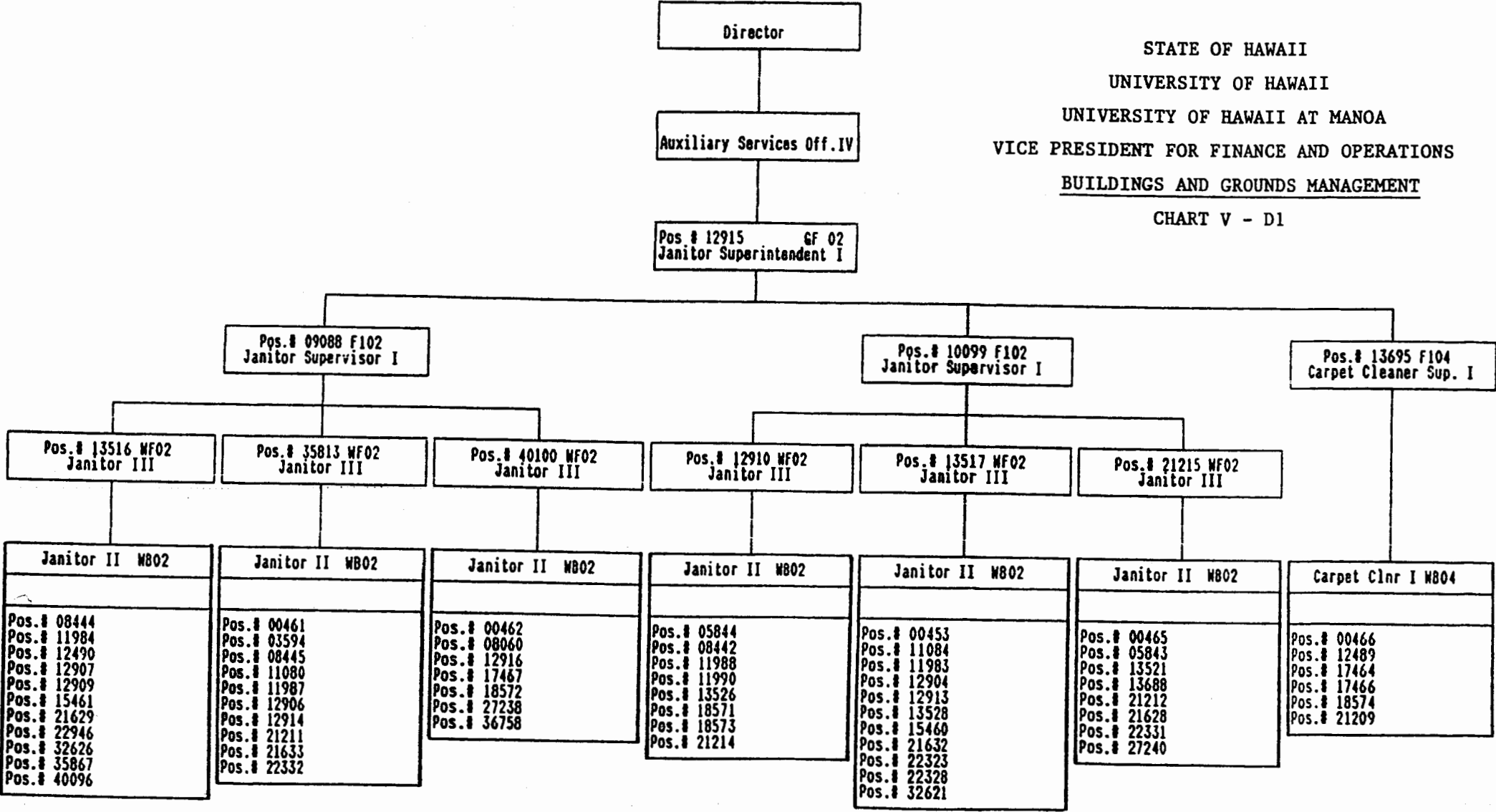


CHART UPDATED

DATE JUN 30 1990

DAY SHIFT

CURRENT

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT  
CHART V - D2

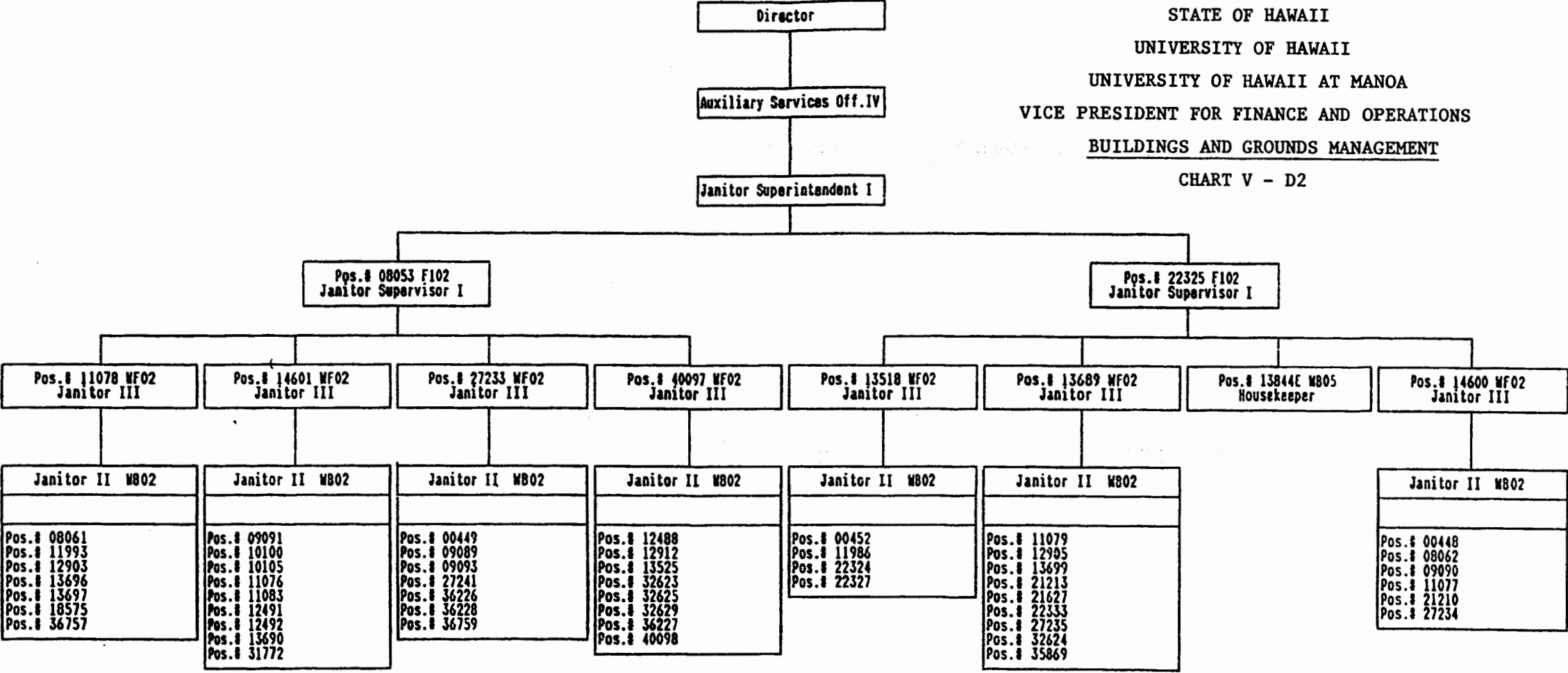
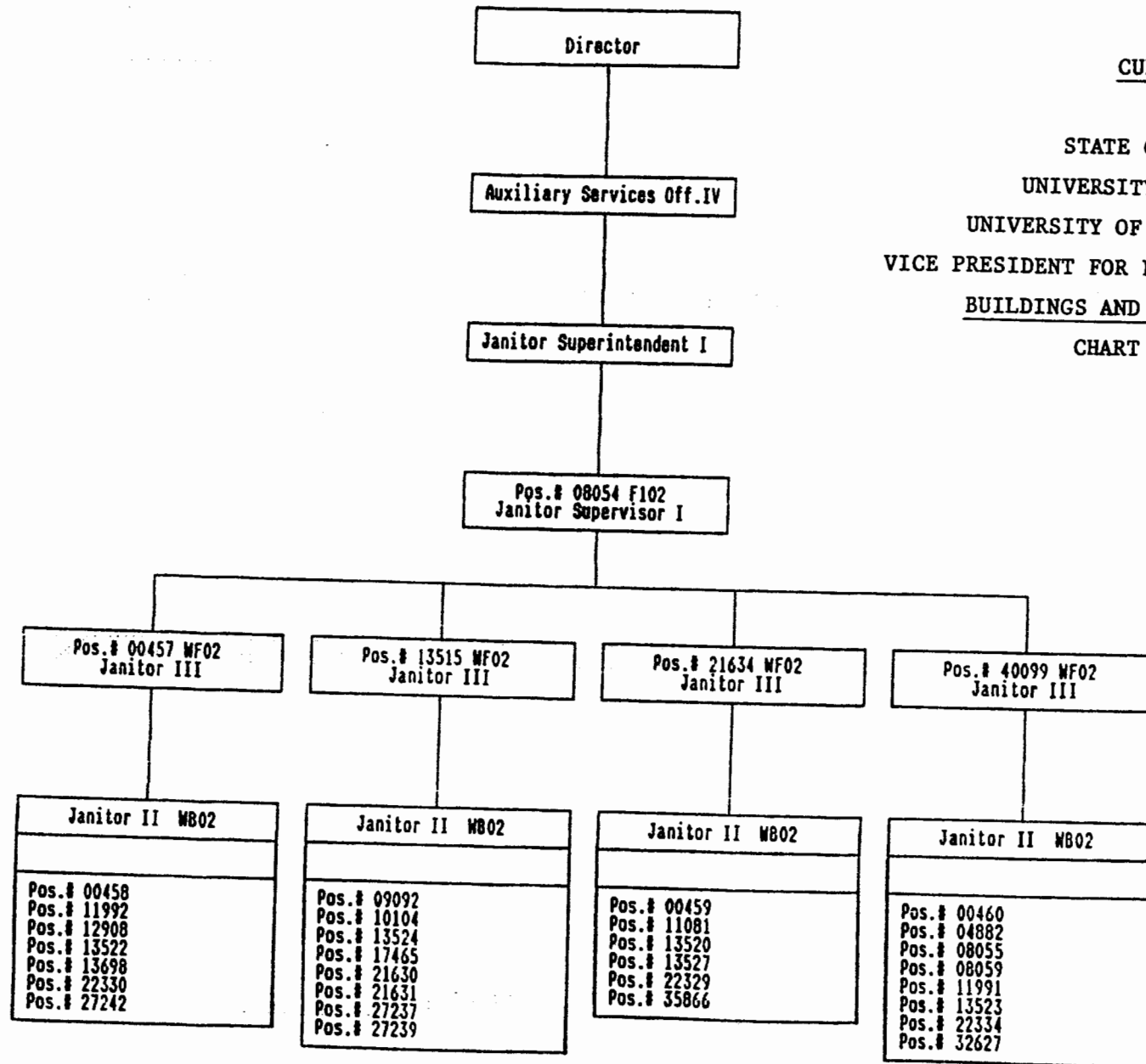


CHART UPDATED

DATE JUN 30 1990

DAY SHIFT - Continued



CURRENT

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT

CHART V - D3

**CHART UPDATED**  
DATE JUN 30 1990

CURRENT

STATE OF HAWAII

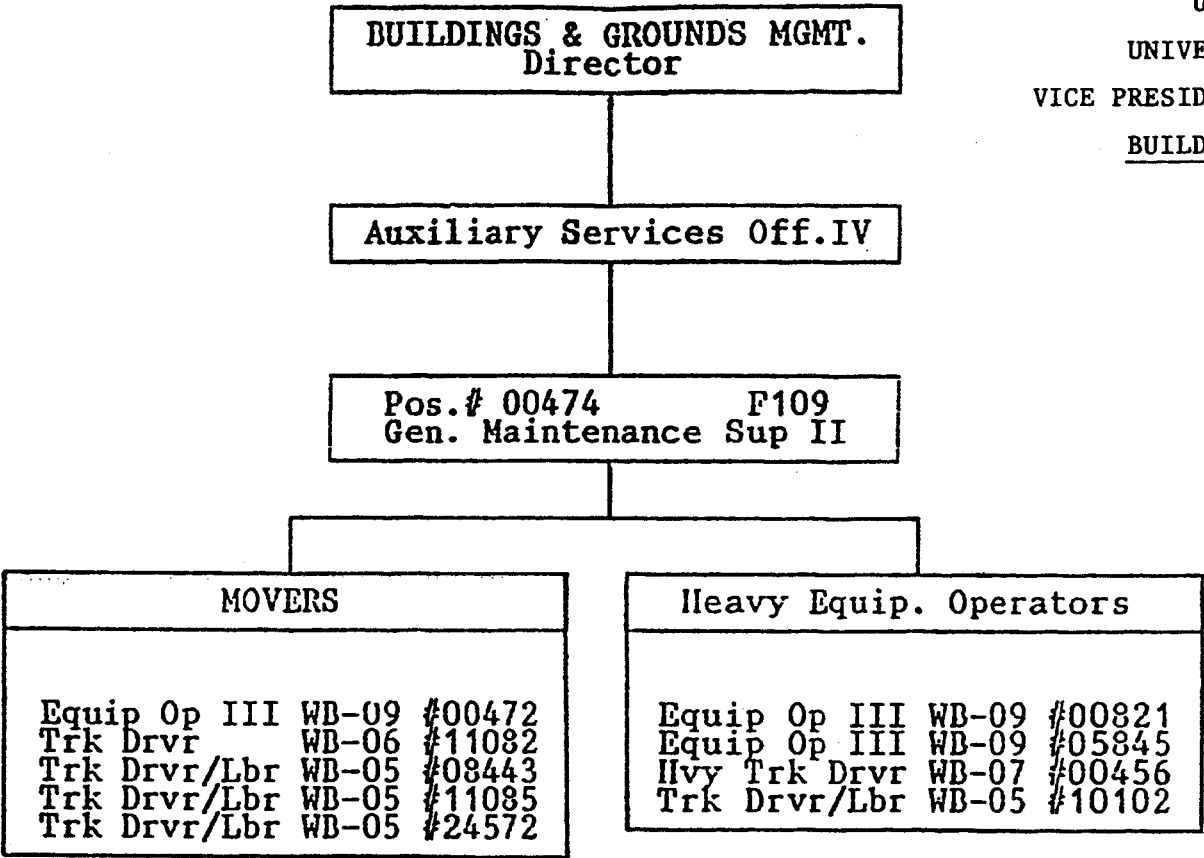
UNIVERSITY OF HAWAII

UNIVERSITY OF HAWAII AT MANOA

VICE PRESIDENT FOR FINANCE AND OPERATIONS

BUILDINGS AND GROUNDS MANAGEMENT

CHART V - D4



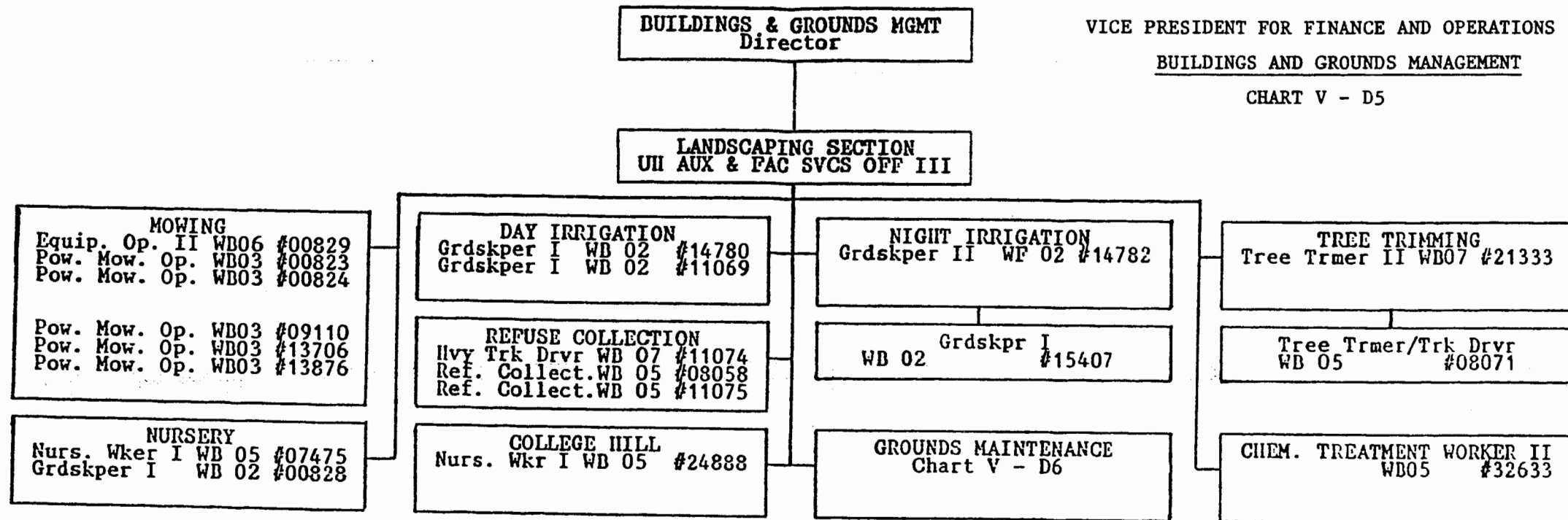
**CHART UPDATED**

DATE JUN 30 1990

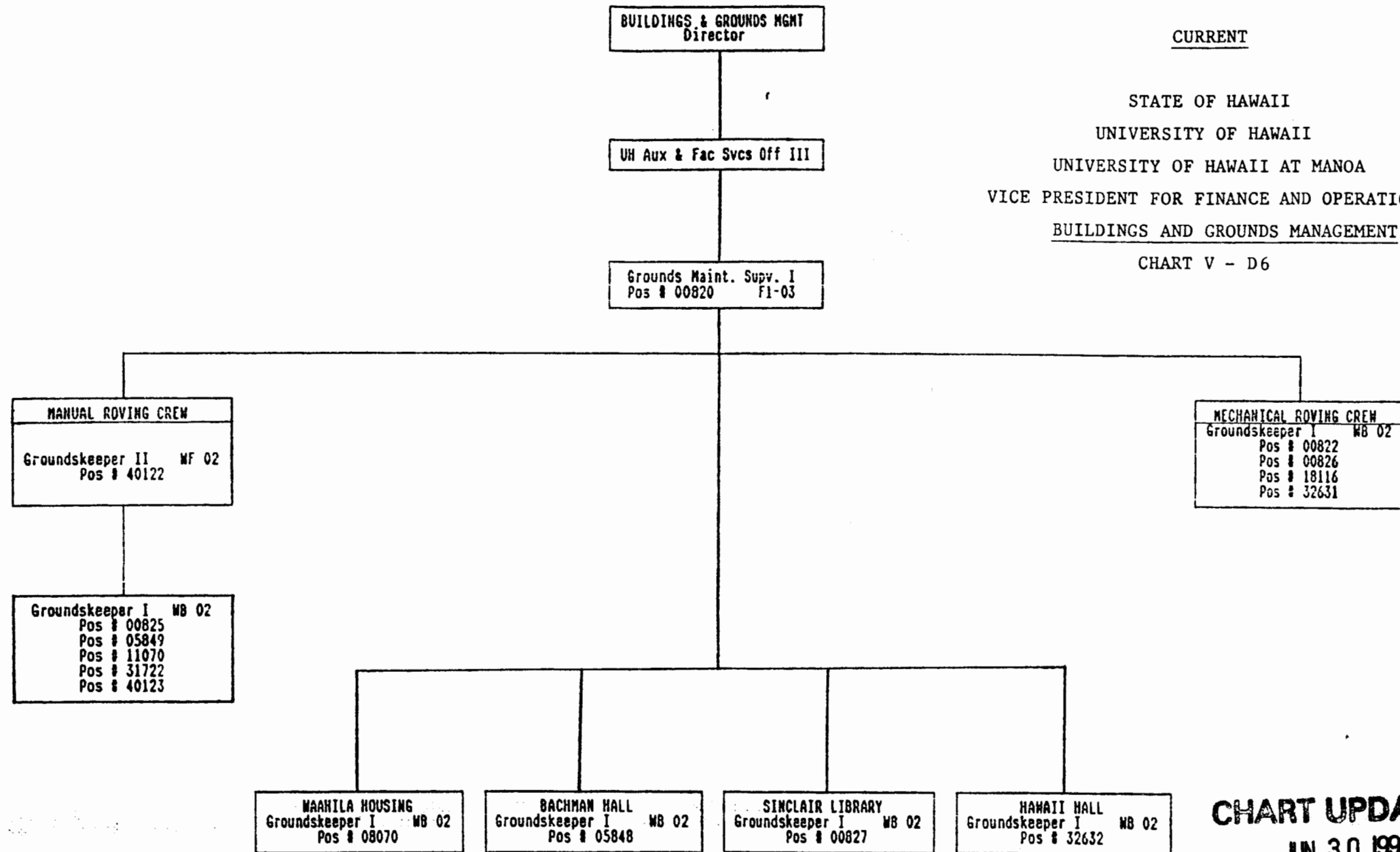
CURRENT

STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT

CHART V - D5



**CHART UPDATED**  
**JUN 30 1990**  
DATE \_\_\_\_\_

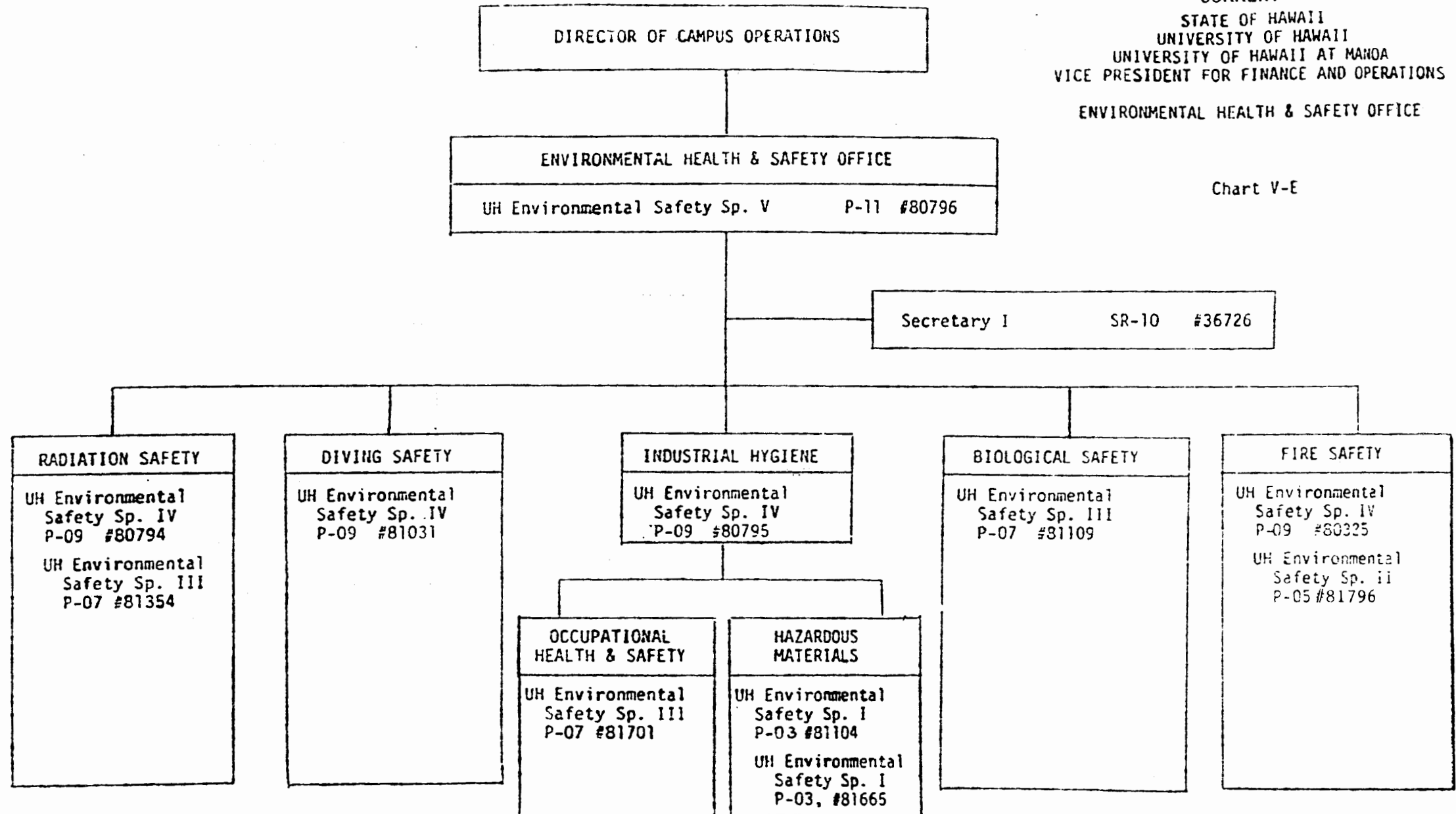


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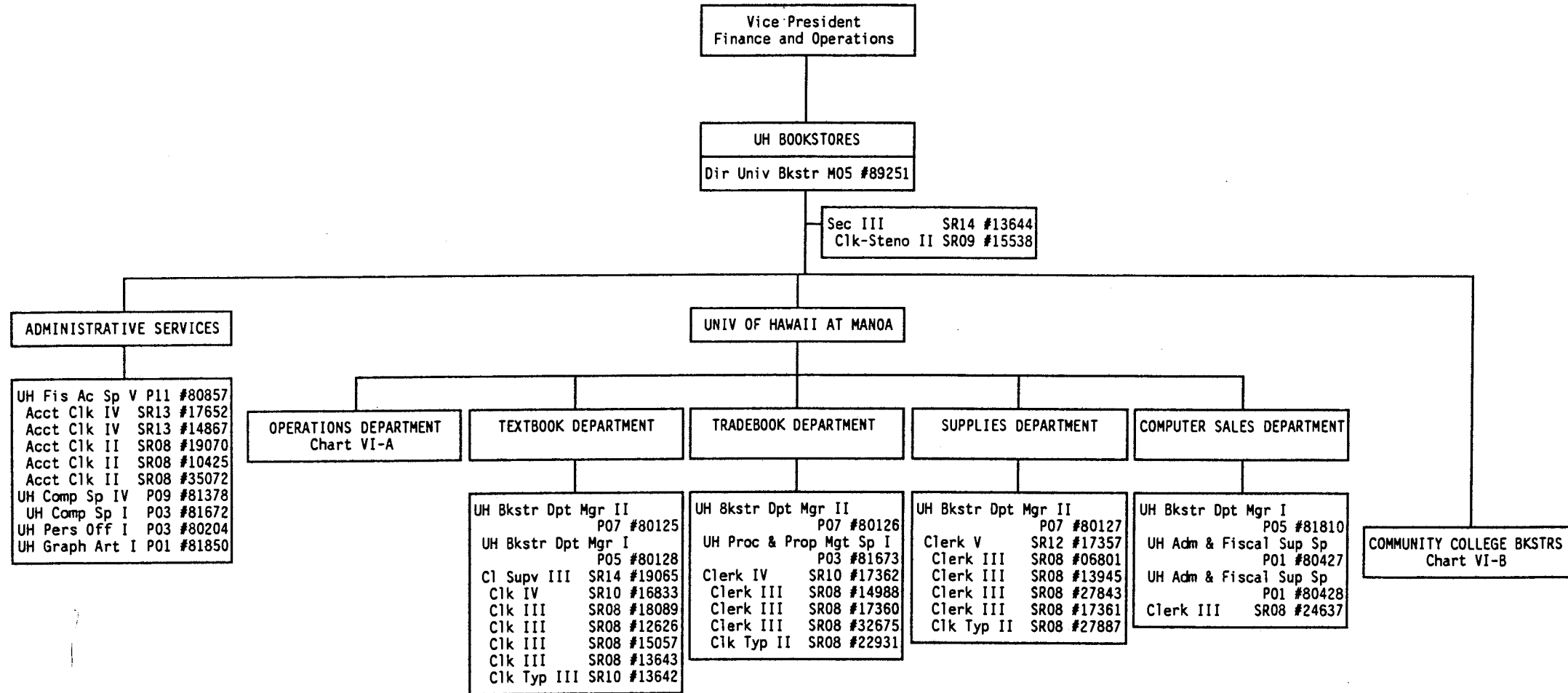
STATE OF HAWAII  
UNIVERSITY OF HAWAII  
UNIVERSITY OF HAWAII AT MANOA  
VICE PRESIDENT FOR FINANCE AND OPERATIONS  
BUILDINGS AND GROUNDS MANAGEMENT  
CHART V - D6

**CHART UPDATED**  
DATE JUN 30 1990

Chart V-E



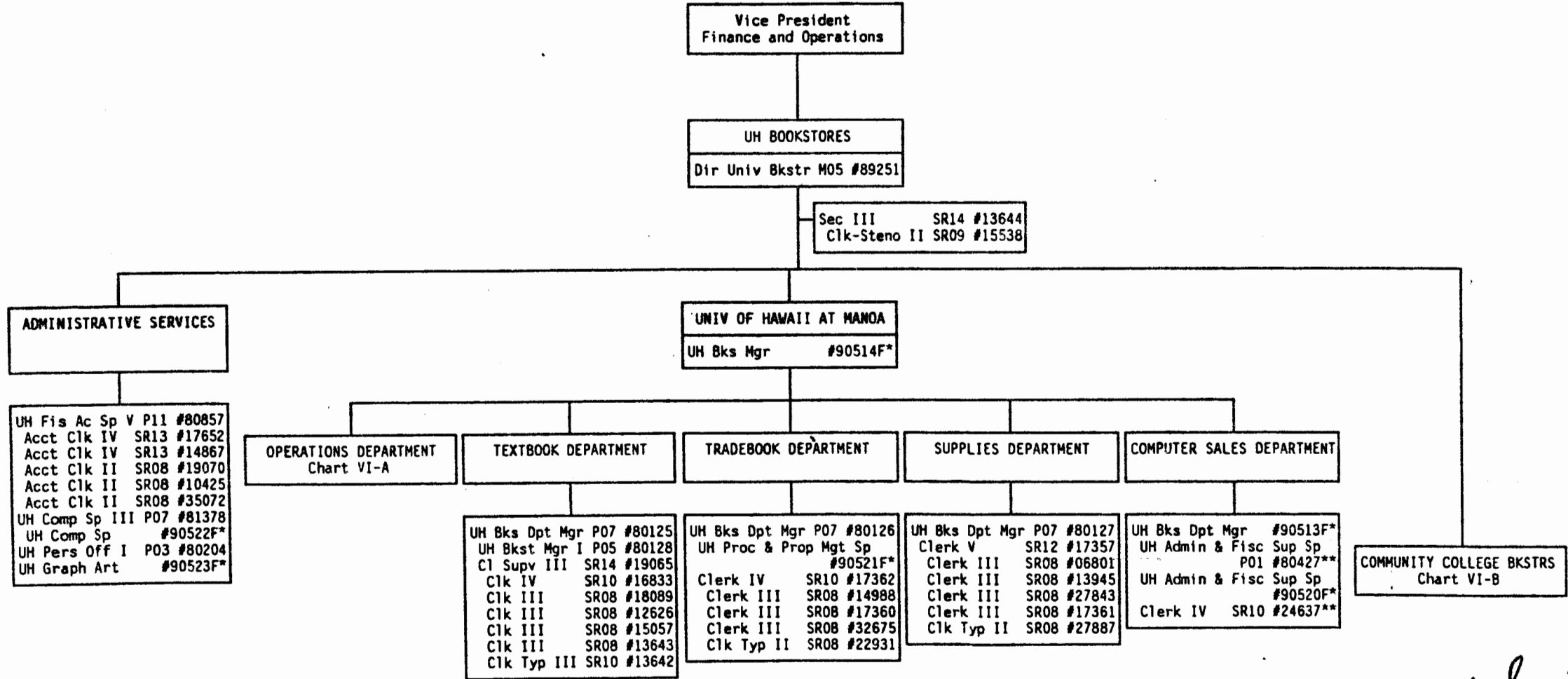
**CHART UPDATED**  
DATE JUN 30 1990



SEE NEXT  
CHART ALSO

Pending Establishment:  
UH Bkstr Mgr #90514F  
UH Adm & Fiscal Sup Sp #90524F

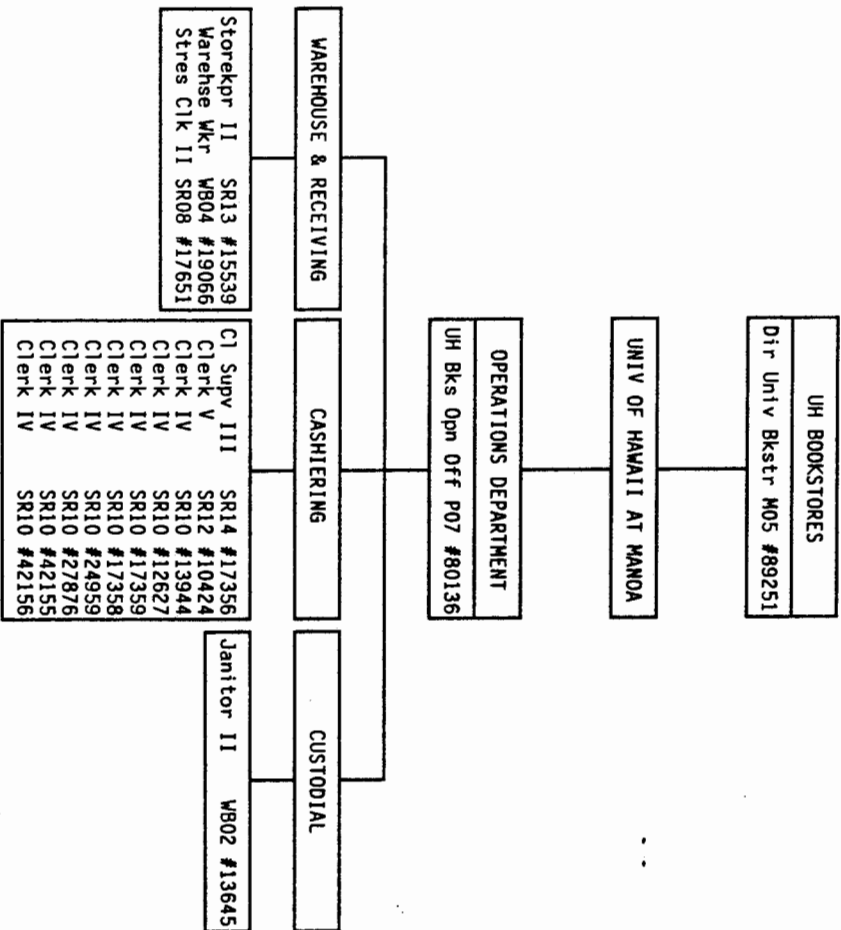
**CHART UPDATED**  
**DATE JUN 30 1990**



\* To Be Established  
\*\* To Be Redescribed

APPROVED BY: *A. J. J. J.*  
TITLE: President  
DATE: SEP 24 1990

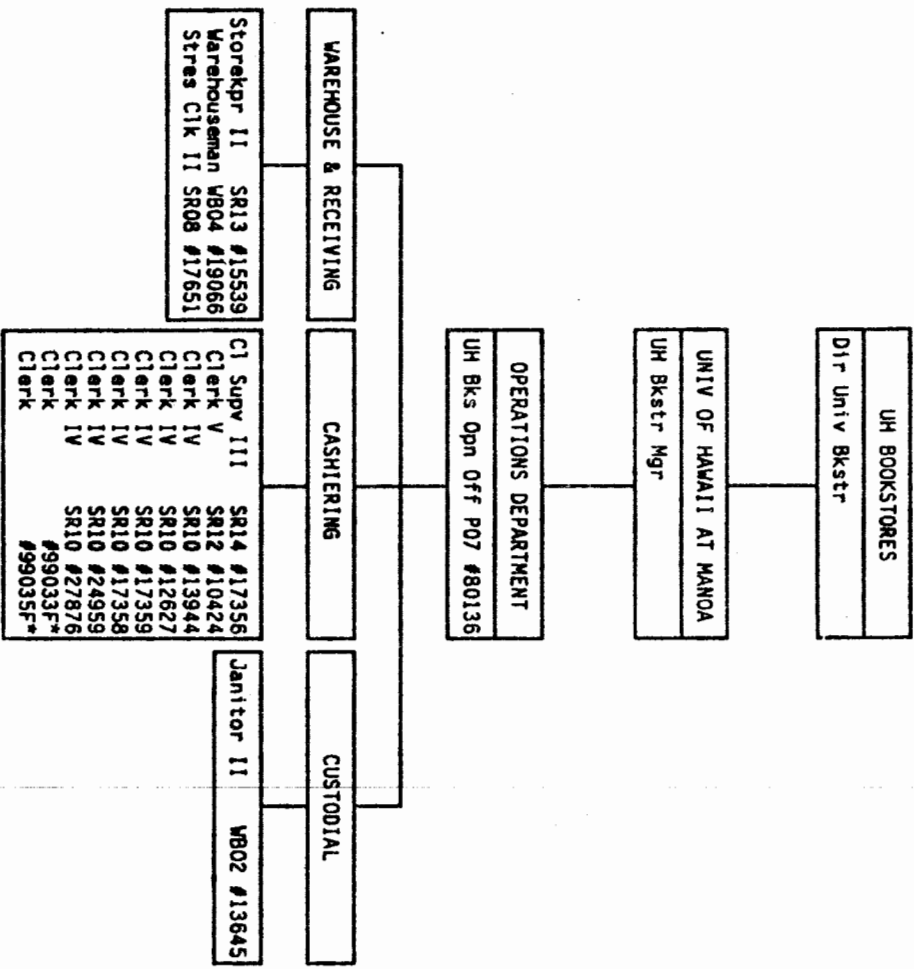
STATE OF HAWAII - UNIVERSITY OF HAWAII  
 VICE PRESIDENT FOR FINANCE & OPERATIONS  
 UNIVERSITY BOOKSTORE  
 CHART VI-A



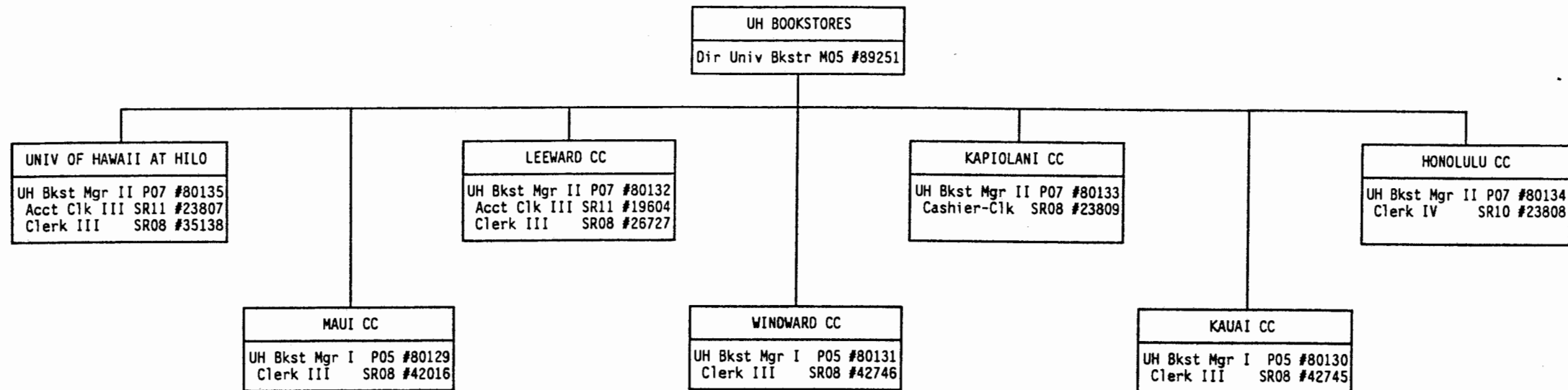
SEE NEXT CHART ALSO

CHART UPDATED  
 DATE JUN 30 1990

STATE OF HAWAII - UNIVERSITY OF HAWAII  
VICE PRESIDENT FOR FINANCE & OPERATIONS  
UNIVERSITY BOOKSTORE  
CHART VI-A



APPROVED BY:                       
TITLE: President  
DATE: 2/1



**CHART UPDATED**  
 DATE JUN 30 1990

State of Hawaii  
University of Hawaii  
Systemwide Administration  
Vice President for Finance & Operations  
Internal Auditor  
Chart VII

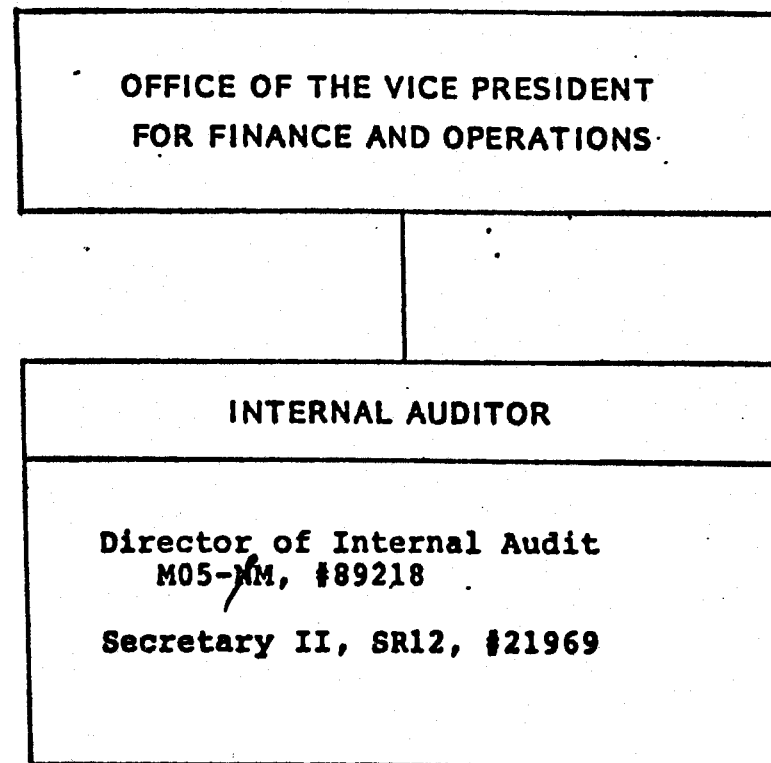


CHART UPDATED

DATE JUN 30 1990

Approved by:

Albert J. Simone  
Albert J. Simone, President

SEP 28 1988

Date: \_\_\_\_\_

CHART UPDATED  
SEP 1988