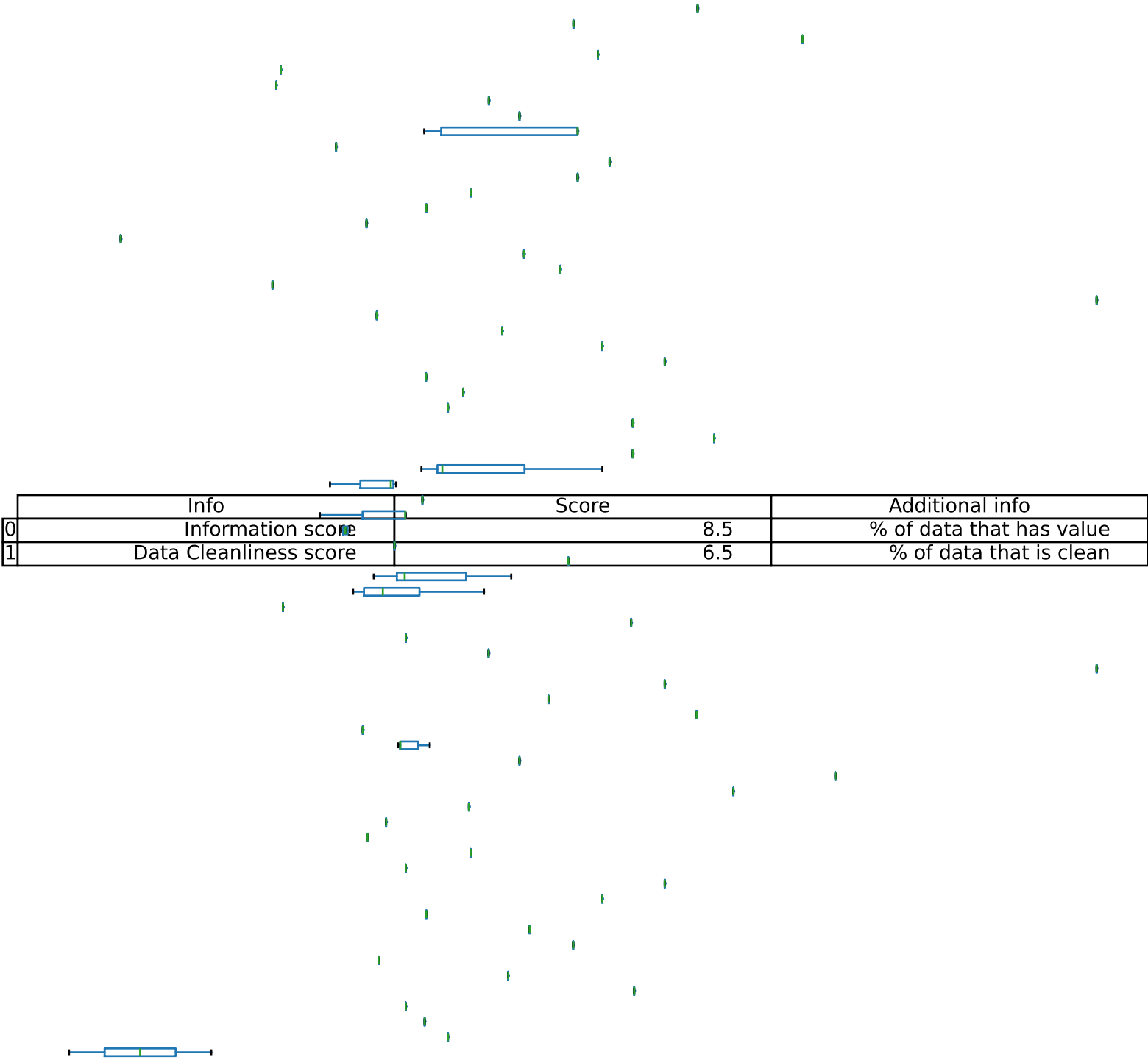


Summary of your data



DEPARTMENTTransition

	clean_data	unclean_data
Min frequency observation	MPB	MPB
Max frequency observation	HHS	HHS
Data type	object	object
Missing	0	0
Count	10291	10291
Unique Category	42	42
Column location from left	0	0
Statistical Datatype	CATEGORICAL INTEGER	CATEGORICAL INTEGER
First five observation	['ABS', 'ABS', 'ABS', 'ABS', 'ABS']	['ABS', 'ABS', 'ABS', 'ABS', 'ABS']
Has Unique Observatons	42	42
Unique observation	42	42
Min observation	NULL	NULL
Max observation	NULL	NULL
Mean observation	NULL	NULL
Median observation	NULL	NULL
Standard Deviation	NULL	NULL
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	NULL	NULL
Key Recommendations	[]	[]

DEPARTMENT\_NAMETransition

	clean_data	unclean_data
Min frequency observation	Merit System Protection Board Department	Merit System Protection Board Department
Max frequency observation	Department of Health and Human Services	Department of Health and Human Services
Data type	object	object
Missing	0	0
Count	10291	10291
Unique Category	42	42
Column location from left	1	1
Statistical Datatype	CATEGORICAL INTEGER	CATEGORICAL INTEGER
First five observation	['Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services']	['Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services', 'Alcohol Beverage Services']
Has Unique Observatons	42	42
Unique observation	42	42
Min observation	NULL	NULL
Max observation	NULL	NULL
Mean observation	NULL	NULL
Median observation	NULL	NULL
Standard Deviation	NULL	NULL
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	NULL	NULL
Key Recommendations	[]	[]

DIVISIONTransition

	clean_data	unclean_data
Min frequency observation	COR 42 DS MCCF Educational Services	COR 42 DS MCCF Educational Services
Max frequency observation	HHS 60 School Health Services	HHS 60 School Health Services
Data type	object	object
Missing	0	0
Count	10291	10291
Unique Category	627	627
Column location from left	2	2
Statistical Datatype	LONG TEXT	LONG TEXT
First five observation	['ABS 85 Administration', 'ABS 85 Administration', 'ABS 85 Administration', 'ABS 85 Administrative Services', 'ABS 85 Administrative Services']	['ABS 85 Administration', 'ABS 85 Administration', 'ABS 85 Administration', 'ABS 85 Administrative Services', 'ABS 85 Administrative Services']
Has Unique Observatons	627	627
Unique observation	627	627
Min observation	NULL	NULL
Max observation	NULL	NULL
Mean observation	NULL	NULL
Median observation	NULL	NULL
Standard Deviation	NULL	NULL
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	NULL	NULL
Key Recommendations	[]	[]

GENDERTransition

	clean_data	unclean_data
Min frequency observation	F	F
Max frequency observation	M	M
Data type	object	object
Missing	0	0
Count	10291	10291
Unique Category	2	2
Column location from left	3	3
Statistical Datatype	CATEGORICAL INTEGER	CATEGORICAL INTEGER
First five observation	['M', 'M', 'F', 'F', 'F']	['M', 'M', 'F', 'F', 'F']
Has Unique Observatons	2	2
Unique observation	2	2
Min observation	NULL	NULL
Max observation	NULL	NULL
Mean observation	NULL	NULL
Median observation	NULL	NULL
Standard Deviation	NULL	NULL
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	NULL	NULL
Key Recommendations	[]	[]

BASE\_SALARYTransition

	clean_data	unclean_data
Min frequency observation	37396.5738	37396.5738
Max frequency observation	108084.0	108084.0
Data type	float64	float64
Missing	0	0
Count	10291	10291
Unique Category	3470	3470
Column location from left	4	4
Statistical Datatype	CONTINOUS INTEGER	CONTINOUS INTEGER
First five observation	[175873.0, 145613.36, 136970.0, 89432.694, 78947.0]	[175873.0, 145613.36, 136970.0, 89432.694, 78947.0]
Has Unique Observatons	3470	3470
Unique observation	3470	3470
Min observation	11147.24	11147.24
Max observation	292000.0	292000.0
Mean observation	90312.16574420367	90312.16574420367
Median observation	87328.0	87328.0
Standard Deviation	31239.325019680084	31239.325019680084
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	108	108
Key Recommendations	[]	[]

OVERTIME\_PAYTransition

	clean_data	unclean_data
Min frequency observation	878.67	878.67
Max frequency observation	0.0	0.0
Data type	float64	float64
Missing	0	0
Count	10291	10291
Unique Category	5566	5566
Column location from left	5	5
Statistical Datatype	CONTINOUS INTEGER	CONTINOUS INTEGER
First five observation	[0.0, 0.0, 0.0, 0.0, 456.68]	[0.0, 0.0, 0.0, 0.0, 456.68]
Has Unique Observatons	5566	5566
Unique observation	5566	5566
Min observation	0.0	0.0
Max observation	227428.99	227428.99
Mean observation	8081.288954426197	8081.288954426197
Median observation	258.42	258.42
Standard Deviation	16491.031723050666	16491.031723050666
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	235	235
Key Recommendations	[]	[]

LONGEVITY\_PAYTransition

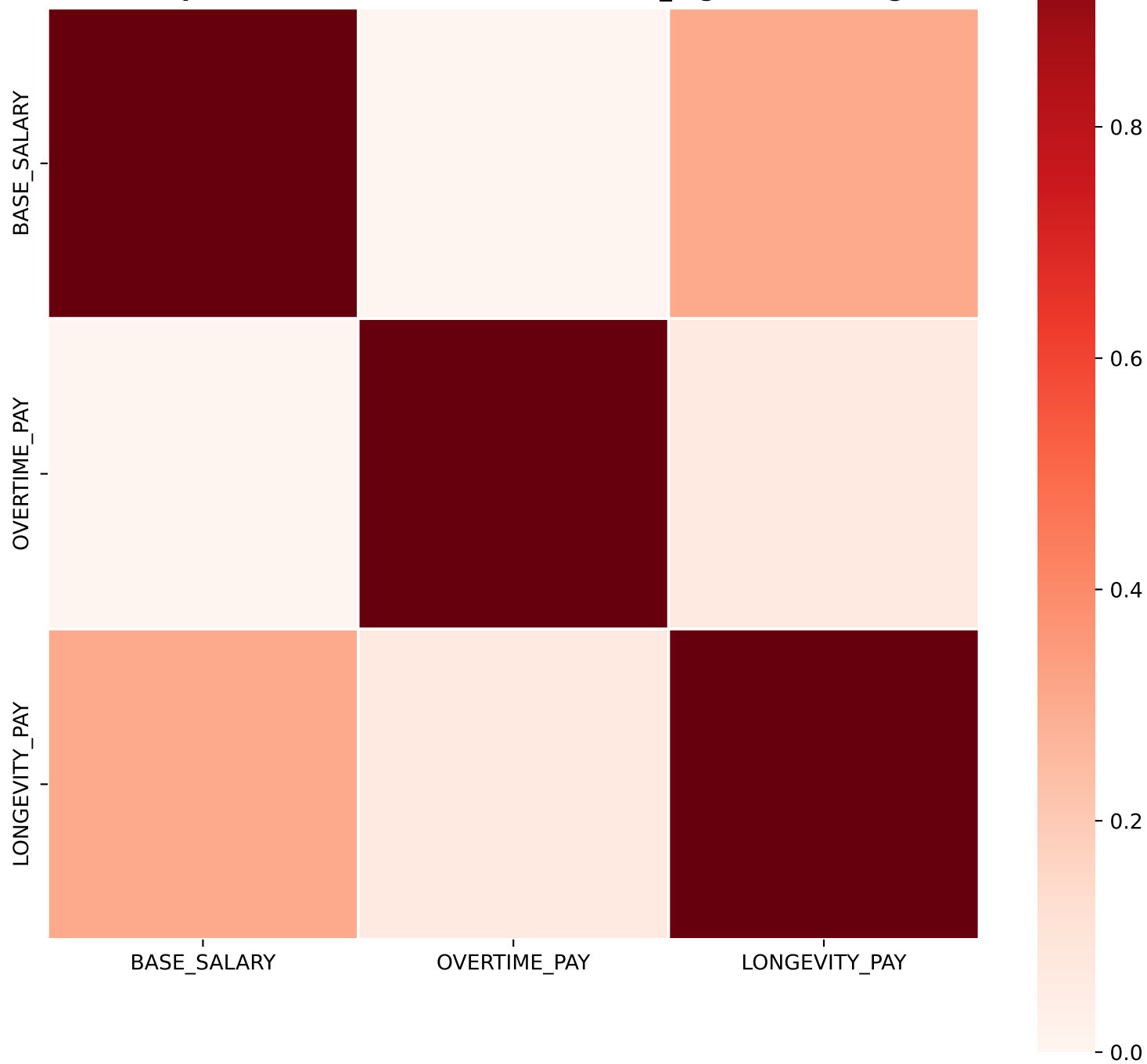
	clean_data	unclean_data
Min frequency observation	2536.95	2536.95
Max frequency observation	0.0	0.0
Data type	float64	float64
Missing	0	0
Count	10291	10291
Unique Category	1113	1113
Column location from left	6	6
Statistical Datatype	CONTINOUS INTEGER	CONTINOUS INTEGER
First five observation	[0.0, 0.0, 0.0, 2490.0, 6257.7]	[0.0, 0.0, 0.0, 2490.0, 6257.7]
Has Unique Observatons	1113	1113
Unique observation	1113	1113
Min observation	0.0	0.0
Max observation	20279.46	20279.46
Mean observation	1533.882816052862	1533.882816052862
Median observation	0.0	0.0
Standard Deviation	3208.8851514643798	3208.8851514643798
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	416	416
Key Recommendations	[]	[]



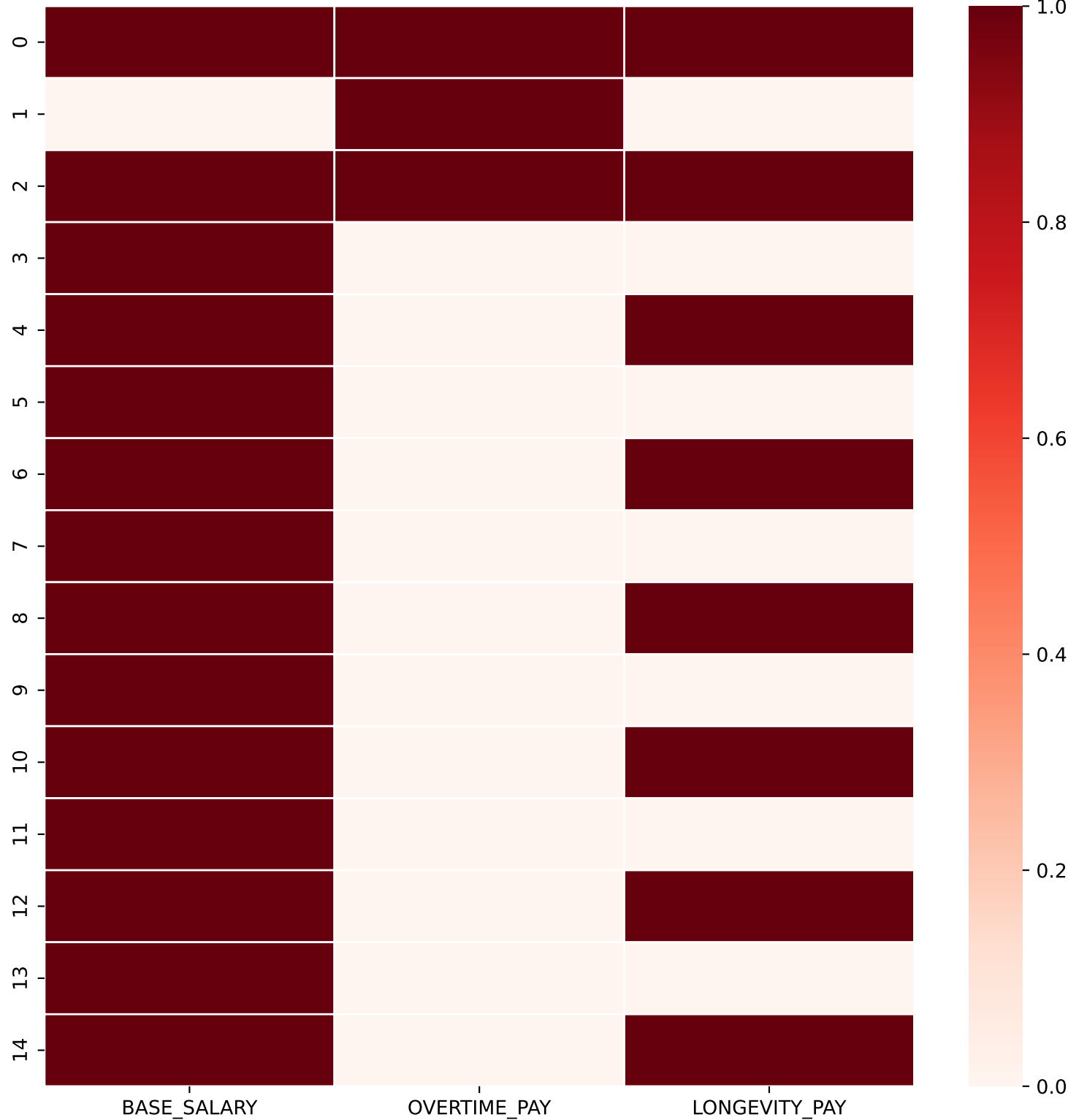
GRADETransition

	clean_data	unclean_data
Min frequency observation	D4	D4
Max frequency observation	T1	T1
Data type	object	object
Missing	33	33
Count	10258	10258
Unique Category	98	98
Column location from left	7	7
Statistical Datatype	CATEGORICAL INTEGER	CATEGORICAL INTEGER
First five observation	['M2', 'M3', 'M3', '21', '16']	['M2', 'M3', 'M3', '21', '16']
Has Unique Observatons	98	98
Unique observation	98	98
Min observation	NULL	NULL
Max observation	NULL	NULL
Mean observation	NULL	NULL
Median observation	NULL	NULL
Standard Deviation	NULL	NULL
Min Precision	NULL	NULL
Max Precision	NULL	NULL
Recommended Precision	NULL	NULL
No of Outliers	NULL	NULL
Key Recommendations	[]	[]

**Correlation plot for numerical variables 0-Not\_Significant 1-Significant**

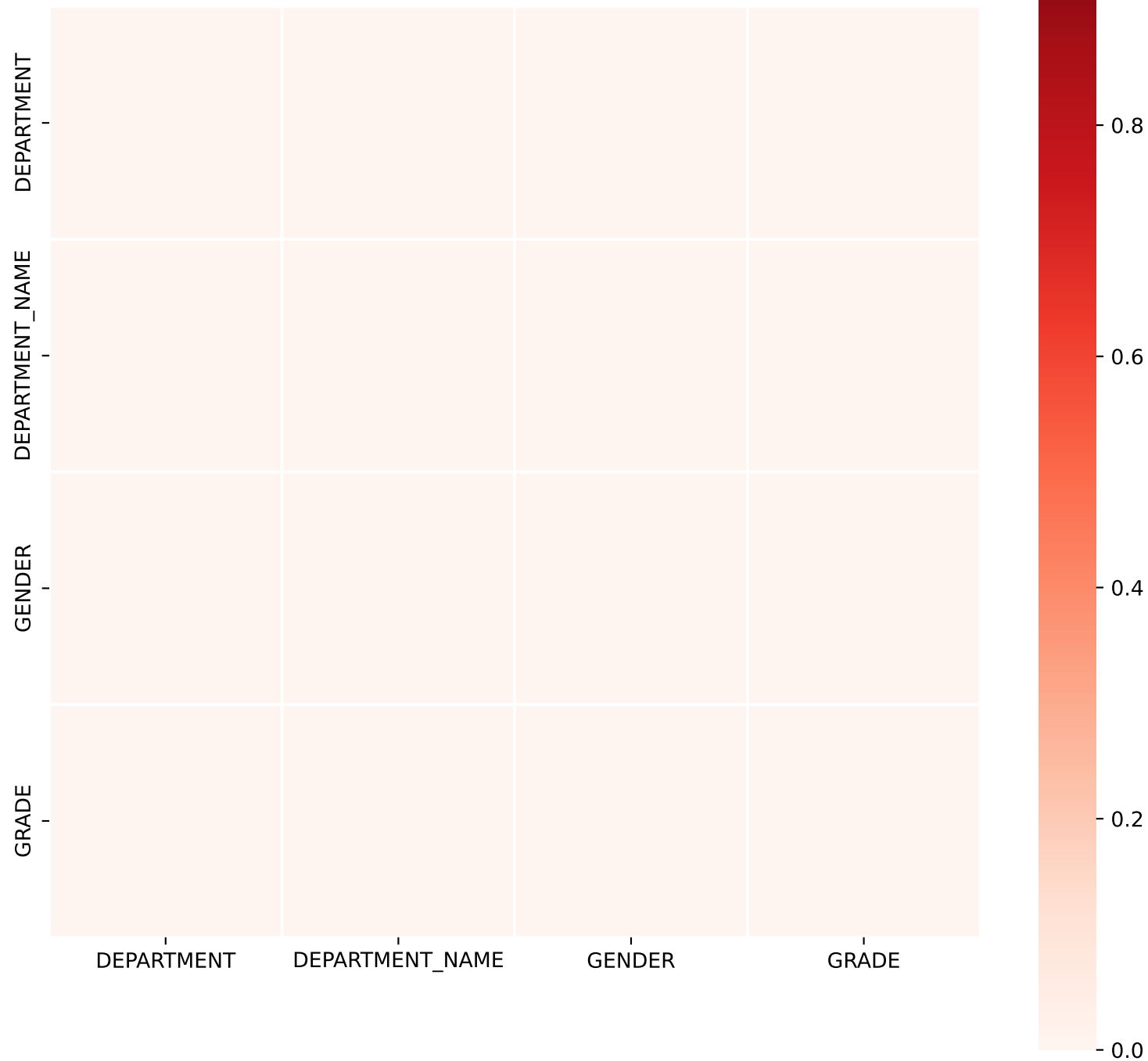


Anova test for combination of categorical & numerical 0-Not\_Significant 1-Significant



Categorical_combination	row_num
['GRADE']	0
['GENDER']	1
['GENDER', 'GRADE']	2
['DEPARTMENT_NAME']	3
['DEPARTMENT_NAME', 'GRADE']	4
['DEPARTMENT_NAME', 'GENDER']	5
['DEPARTMENT_NAME', 'GENDER', 'GRADE']	6
['DEPARTMENT']	7
['DEPARTMENT', 'GRADE']	8
['DEPARTMENT', 'GENDER']	9
['DEPARTMENT', 'GENDER', 'GRADE']	10
['DEPARTMENT', 'DEPARTMENT_NAME']	11
['DEPARTMENT', 'DEPARTMENT_NAME', 'GRADE']	12
['DEPARTMENT', 'DEPARTMENT_NAME', 'GENDER']	13
['DEPARTMENT', 'DEPARTMENT_NAME', 'GENDER', 'GRADE']	14

Chi-square test for categorical variables 0-Not\_Significant 1-Significant



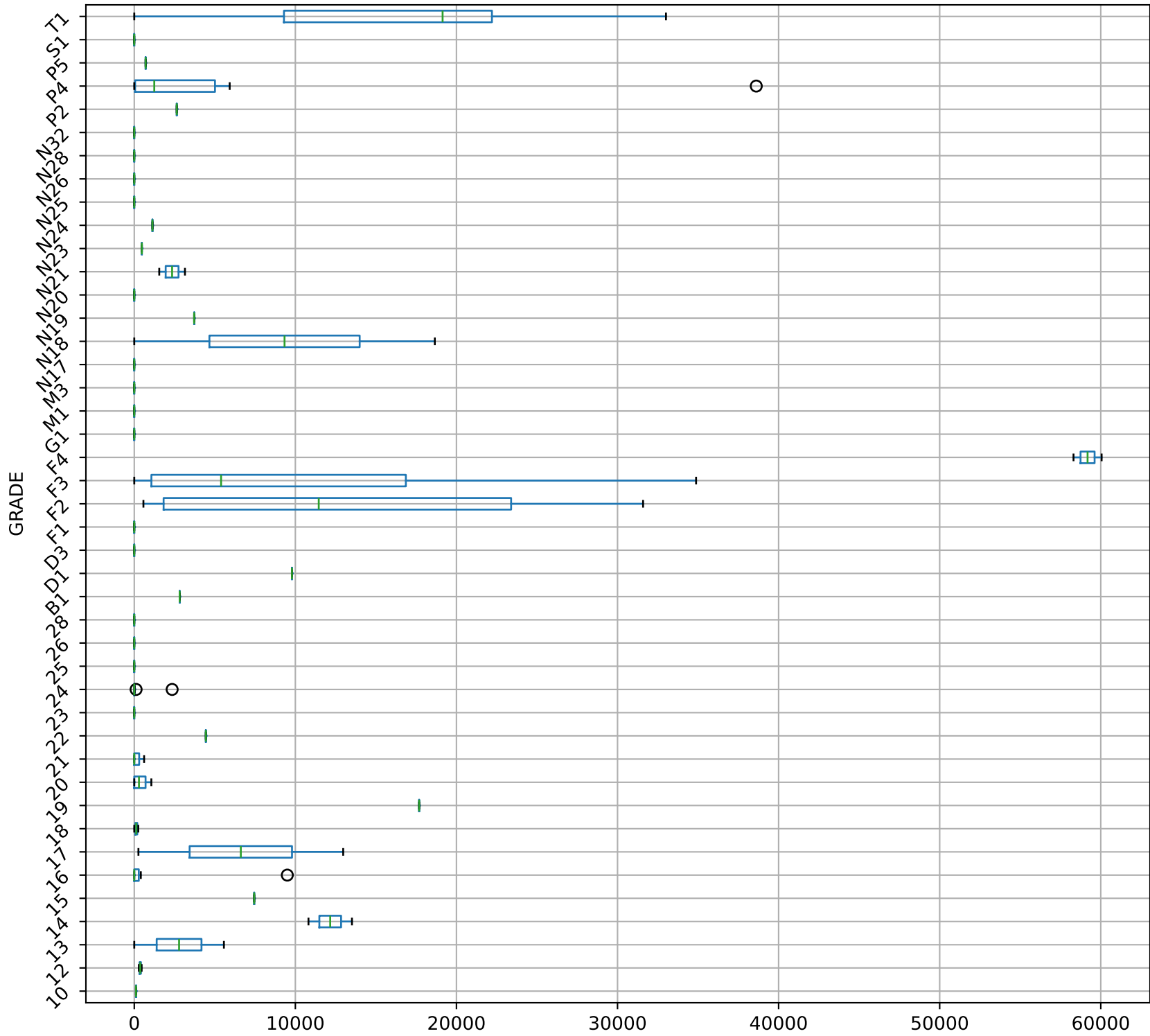
Boxplot grouped by GRADE

**BASE\_SALARY and GRADE**



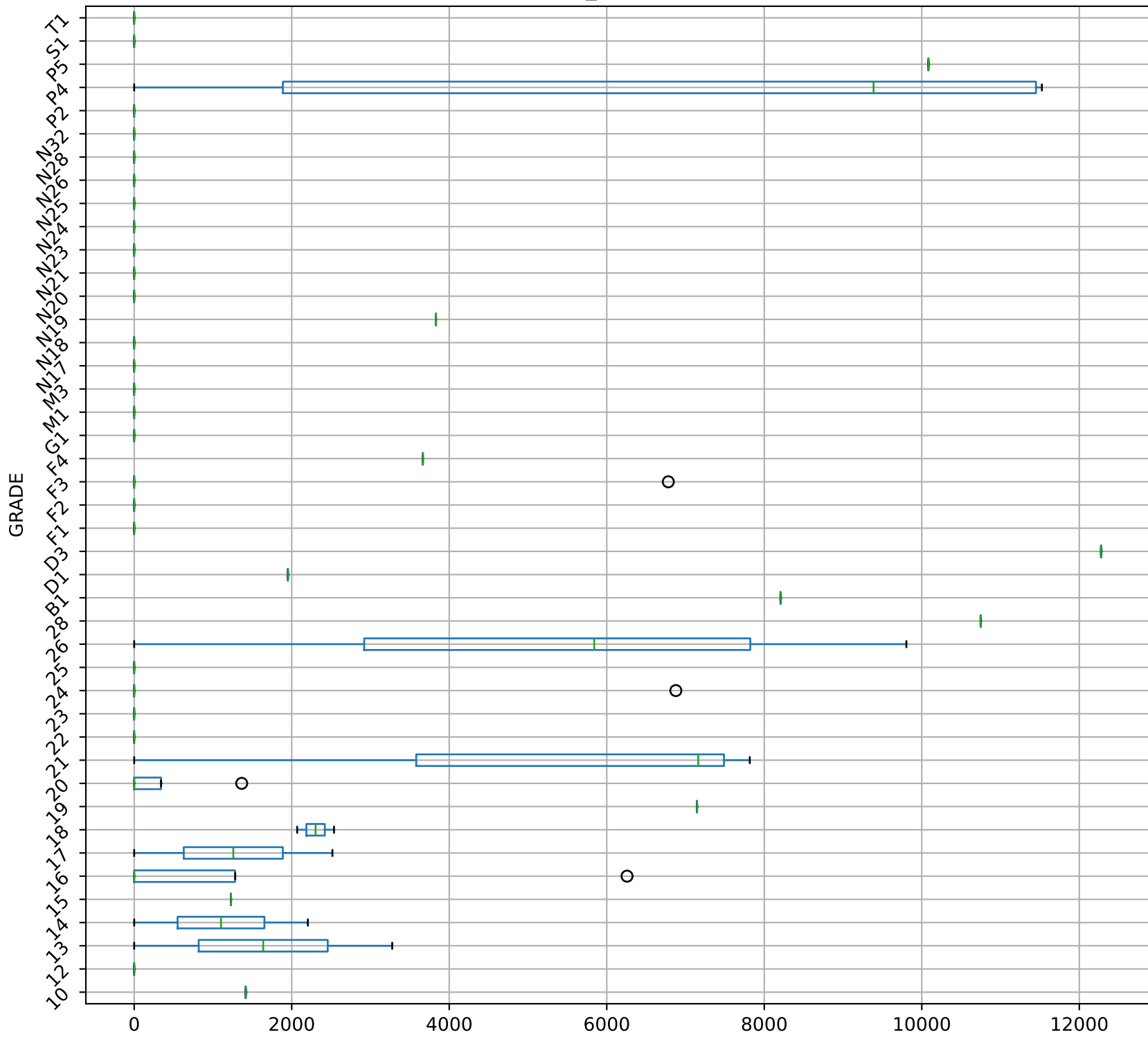
Boxplot grouped by GRADE

OVERTIME\_PAY and GRADE



Boxplot grouped by GRADE

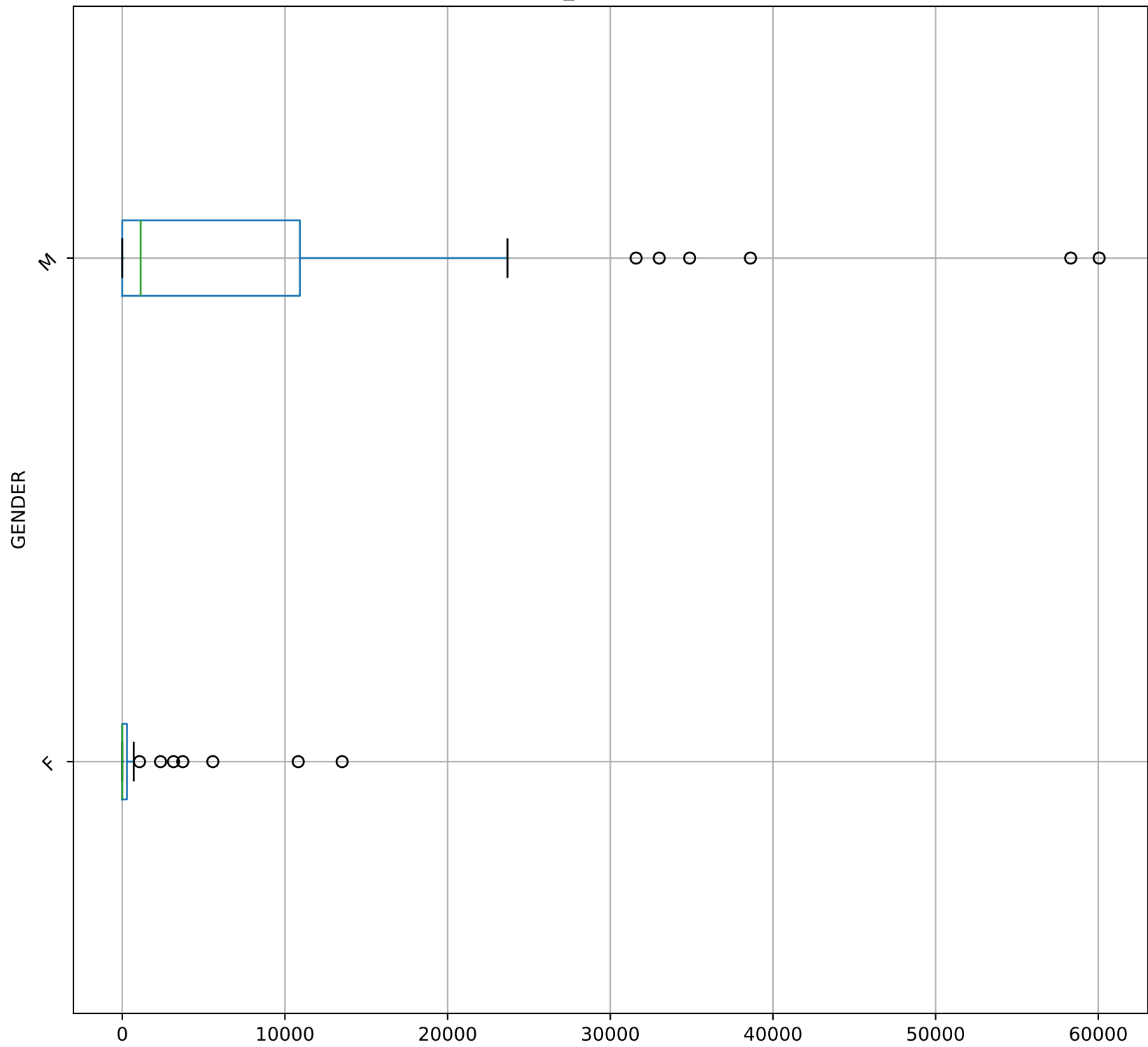
LONGEVITY\_PAY and GRADE



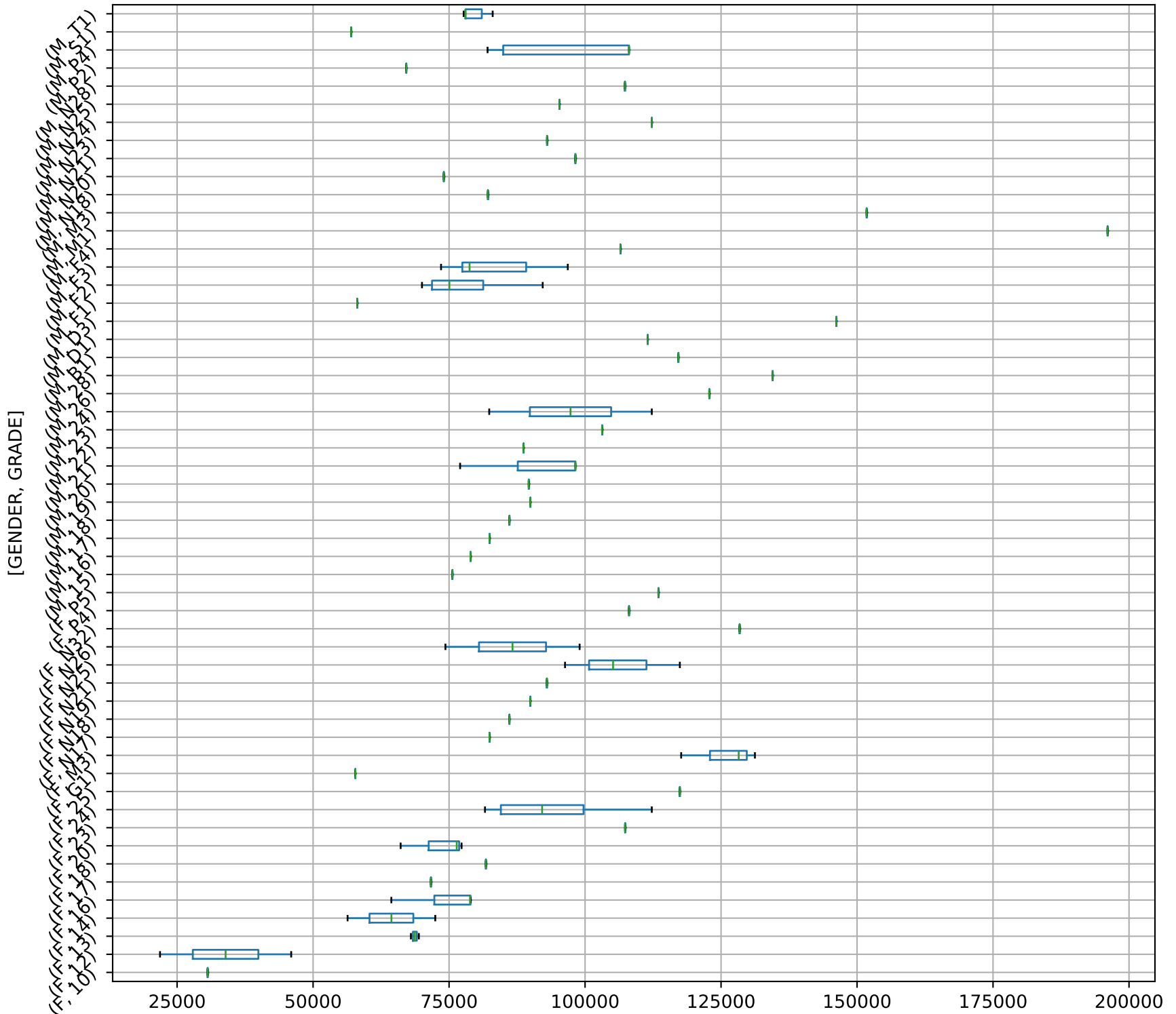


Boxplot grouped by GENDER

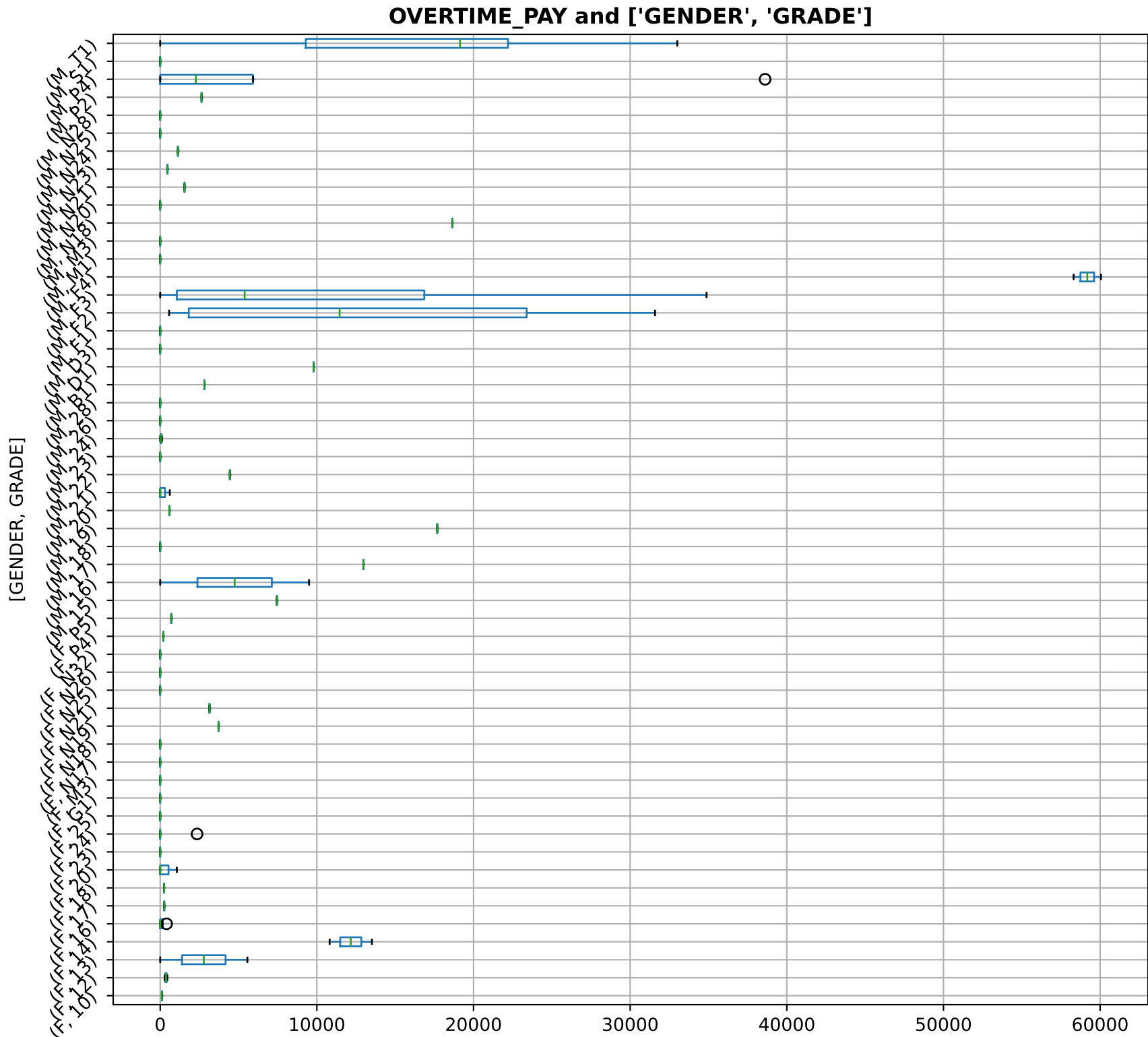
**OVERTIME\_PAY and GENDER**



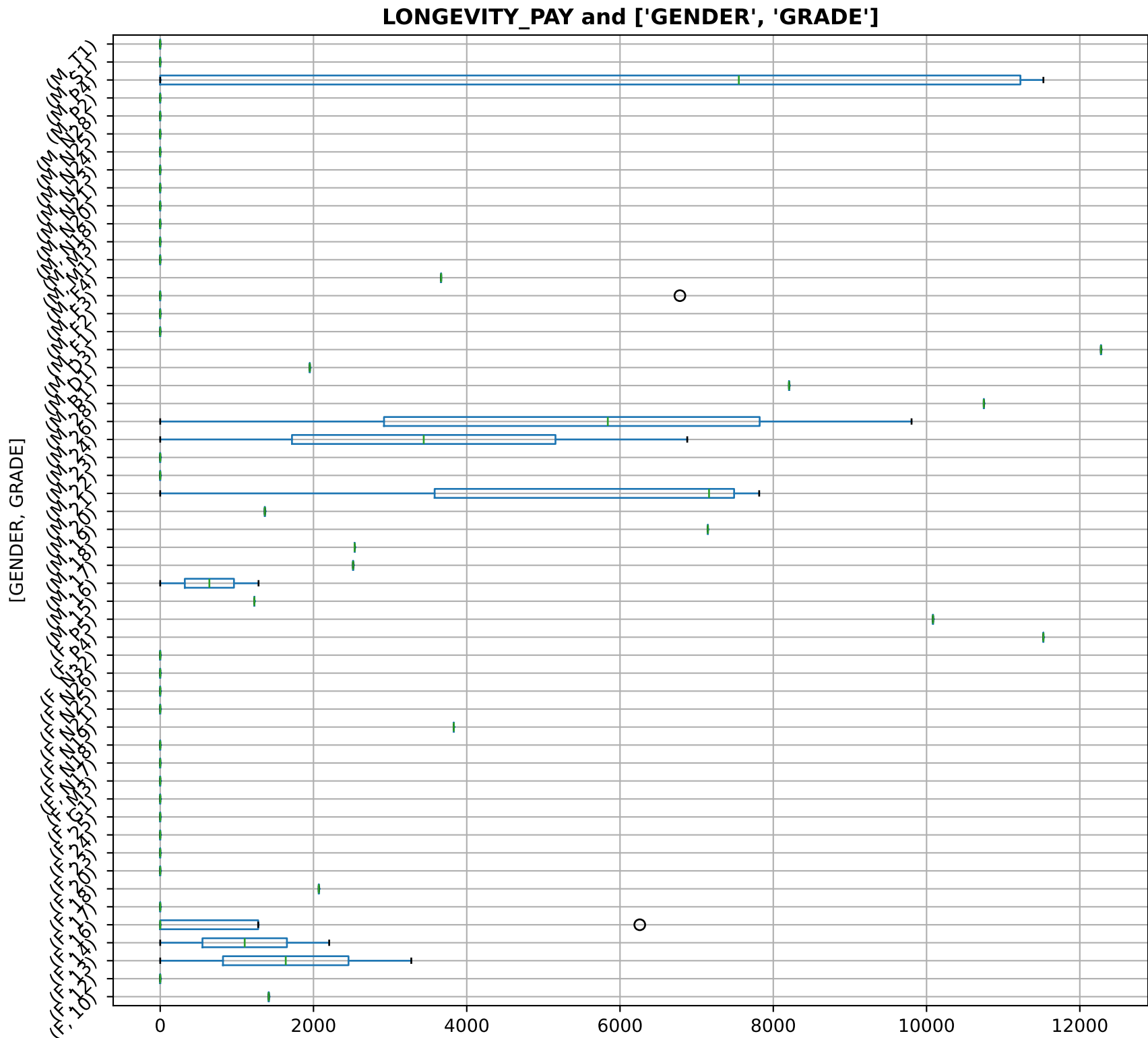
### BASE\_SALARY and ['GENDER', 'GRADE']



Boxplot grouped by ['GENDER', 'GRADE']

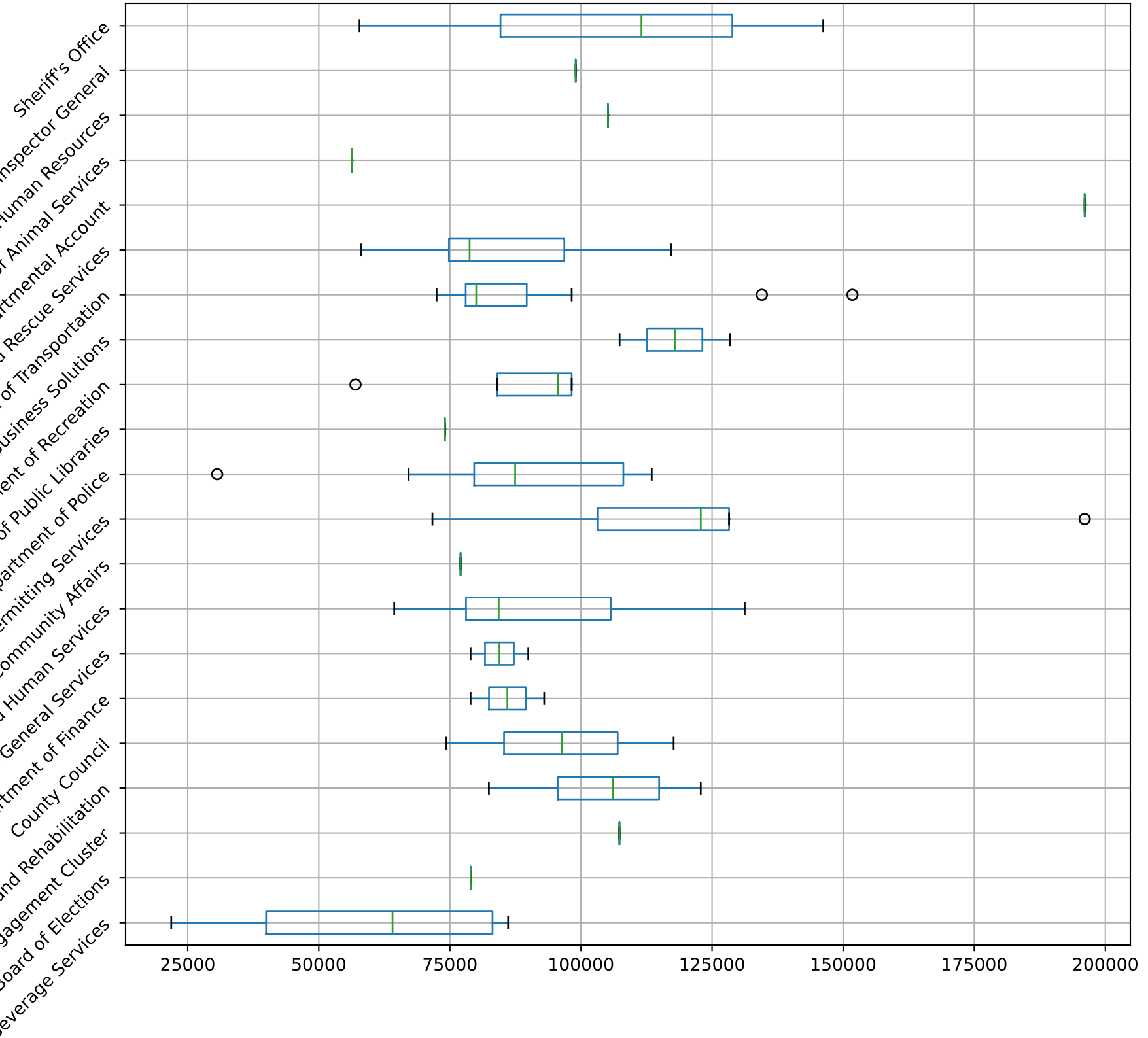


Boxplot grouped by ['GENDER', 'GRADE']



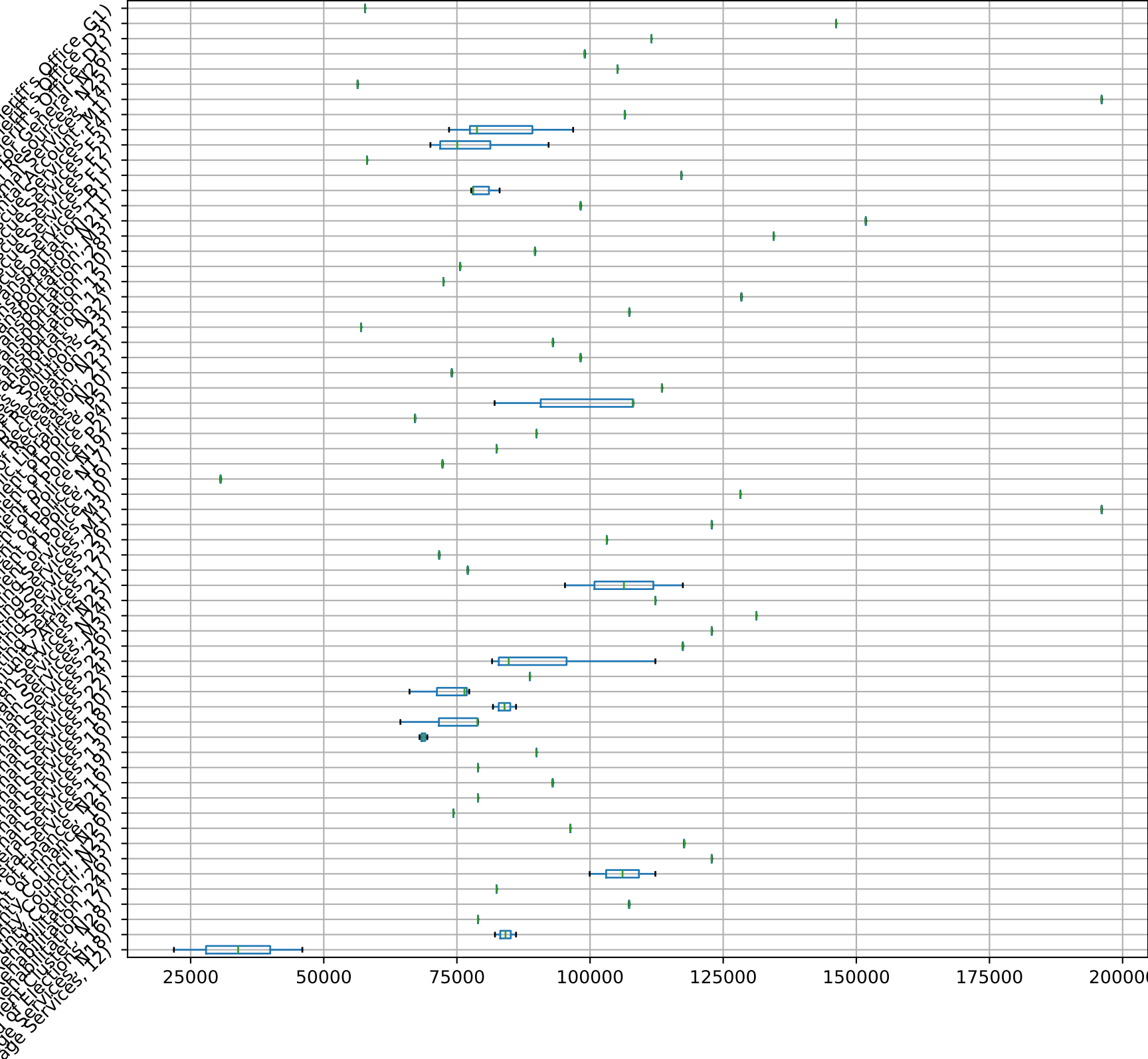
Boxplot grouped by DEPARTMENT\_NAME

**BASE\_SALARY and DEPARTMENT\_NAME**



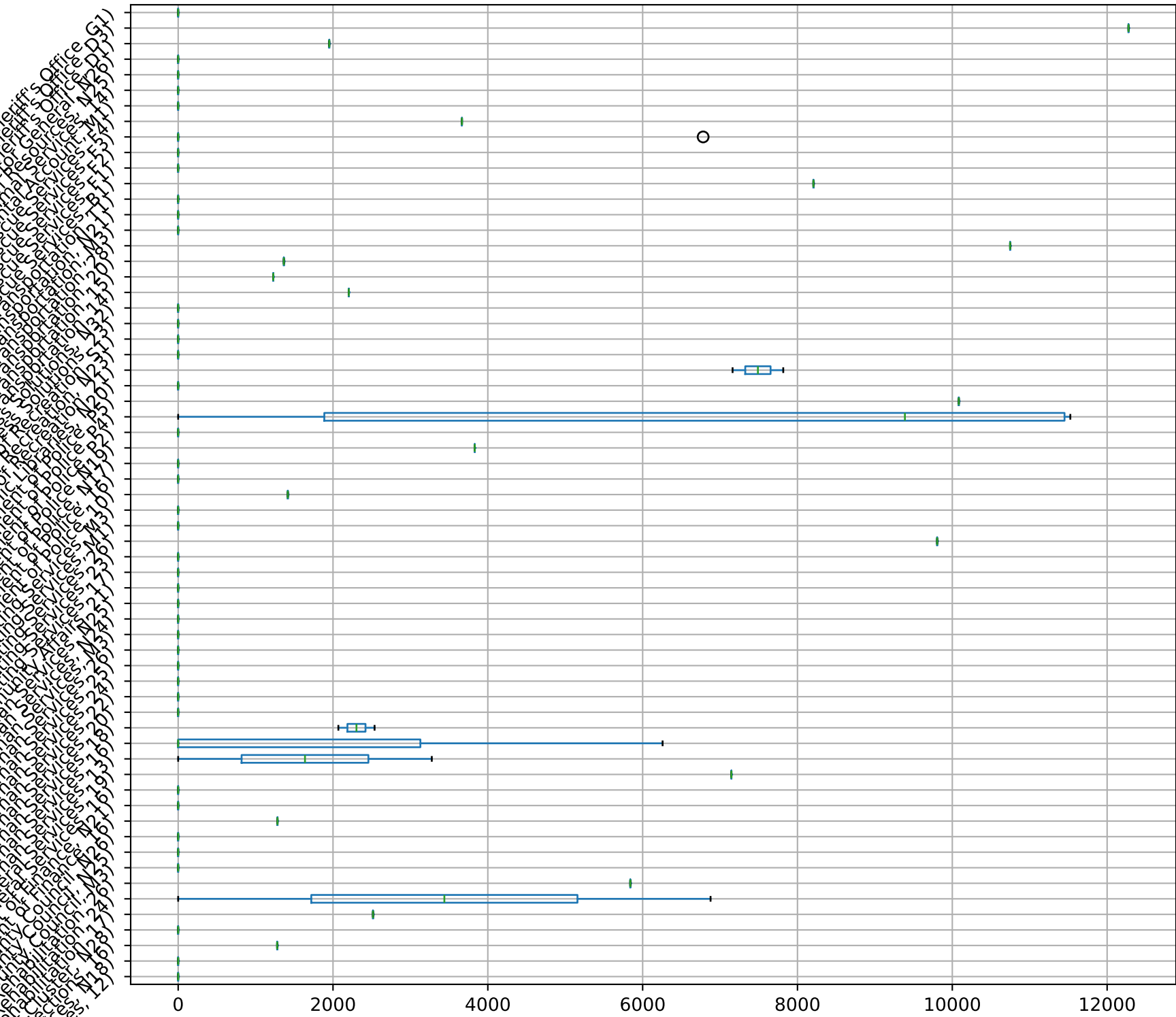
Boxplot grouped by ['DEPARTMENT\_NAME', 'GRADE']

BASE\_SALARY and ['DEPARTMENT\_NAME', 'GRADE']

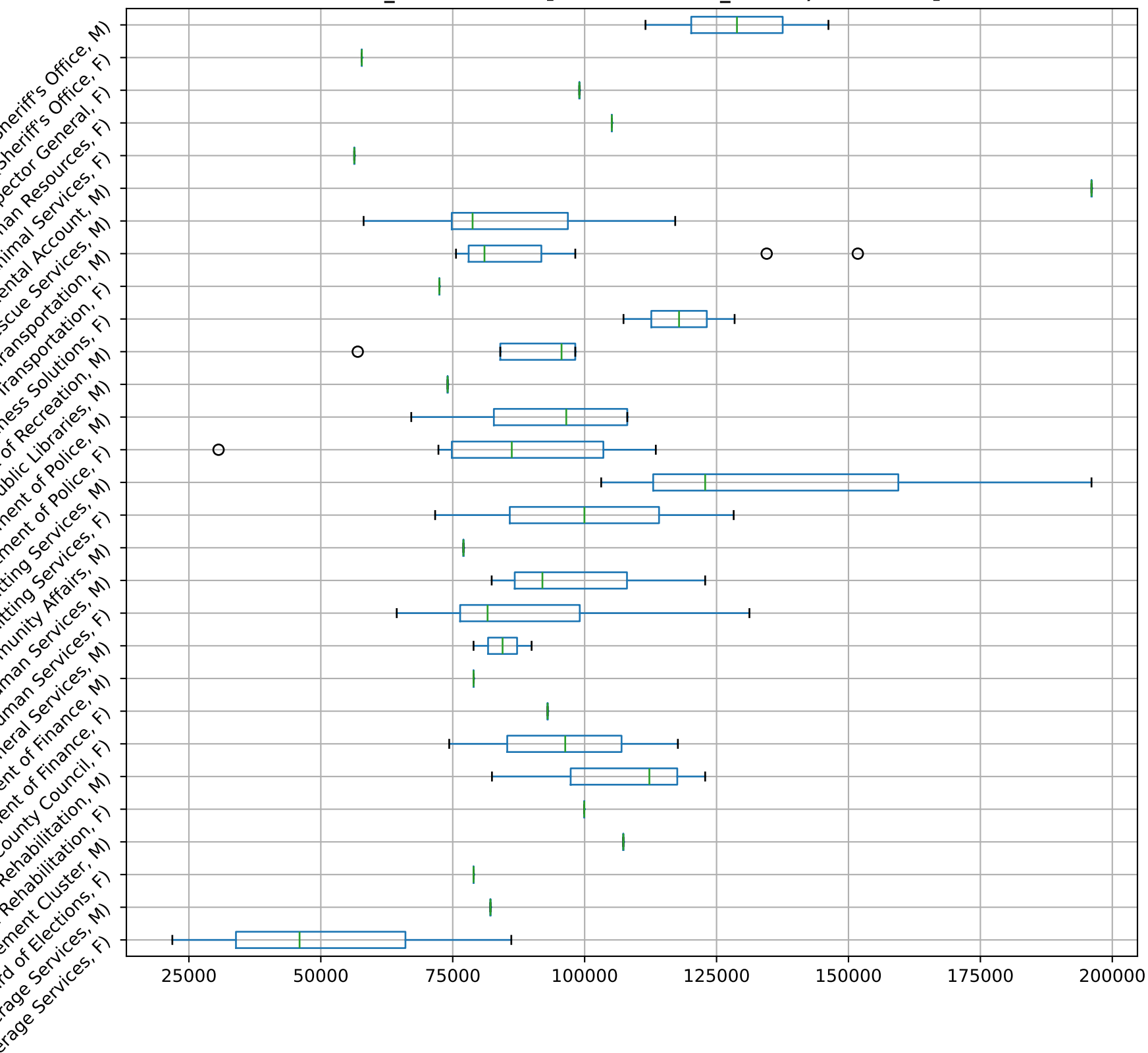


Boxplot grouped by ['DEPARTMENT\_NAME', 'GRADE']

**LONGEVITY\_PAY** and **['DEPARTMENT\_NAME', 'GRADE']**



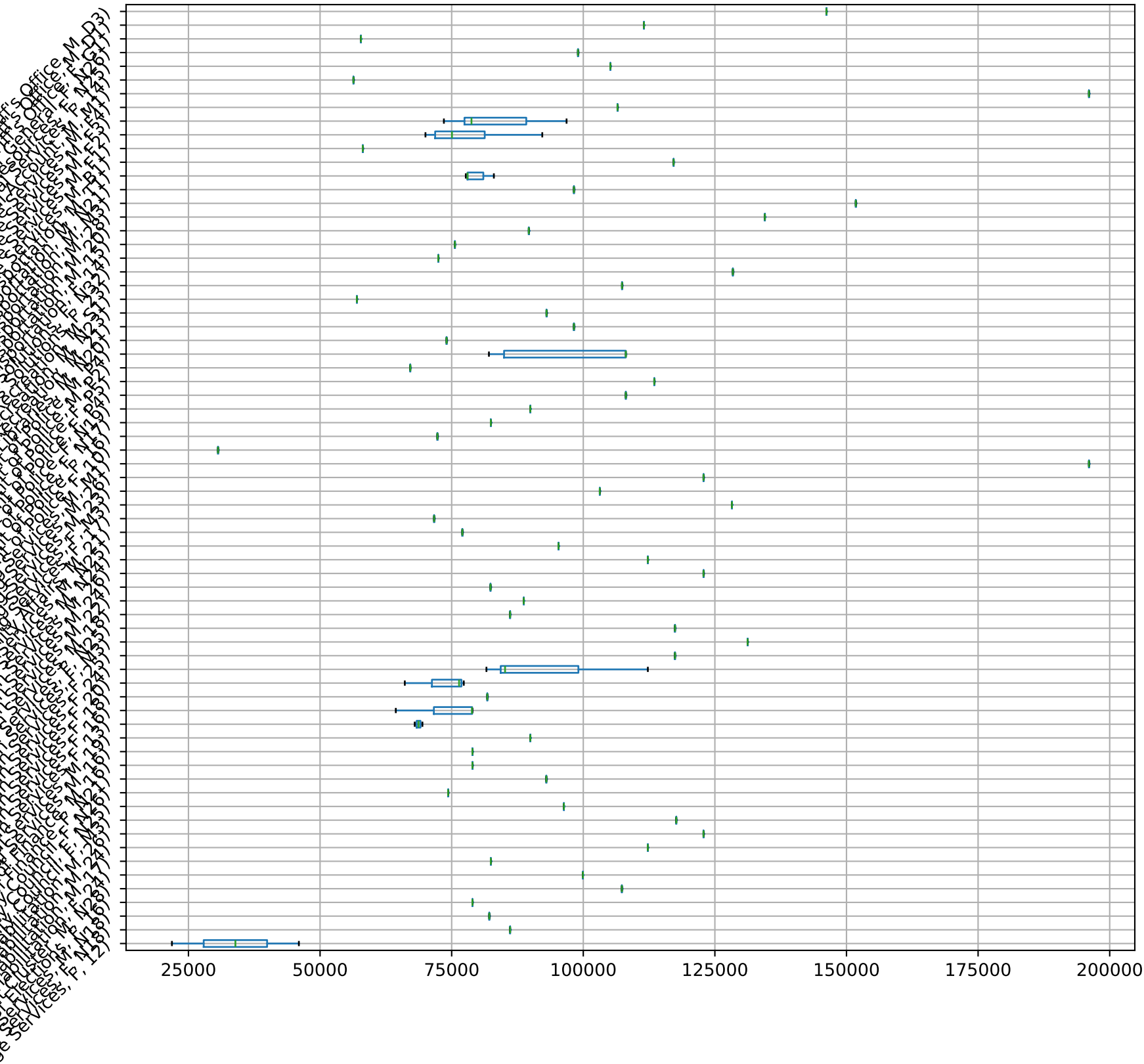
**BASE\_SALARY** and ['DEPARTMENT\_NAME', 'GENDER']





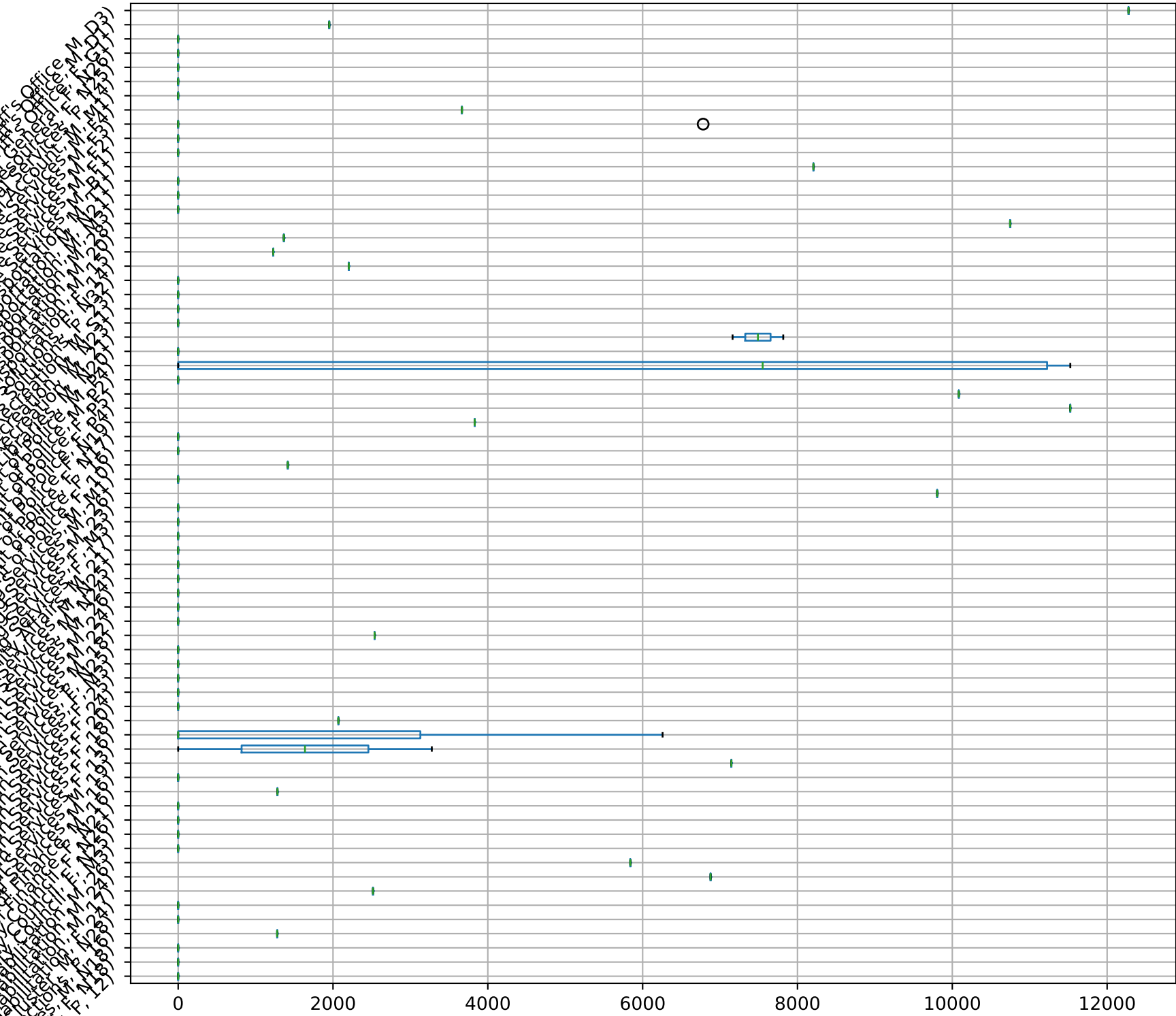
Boxplot grouped by ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']

BASE\_SALARY and ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']



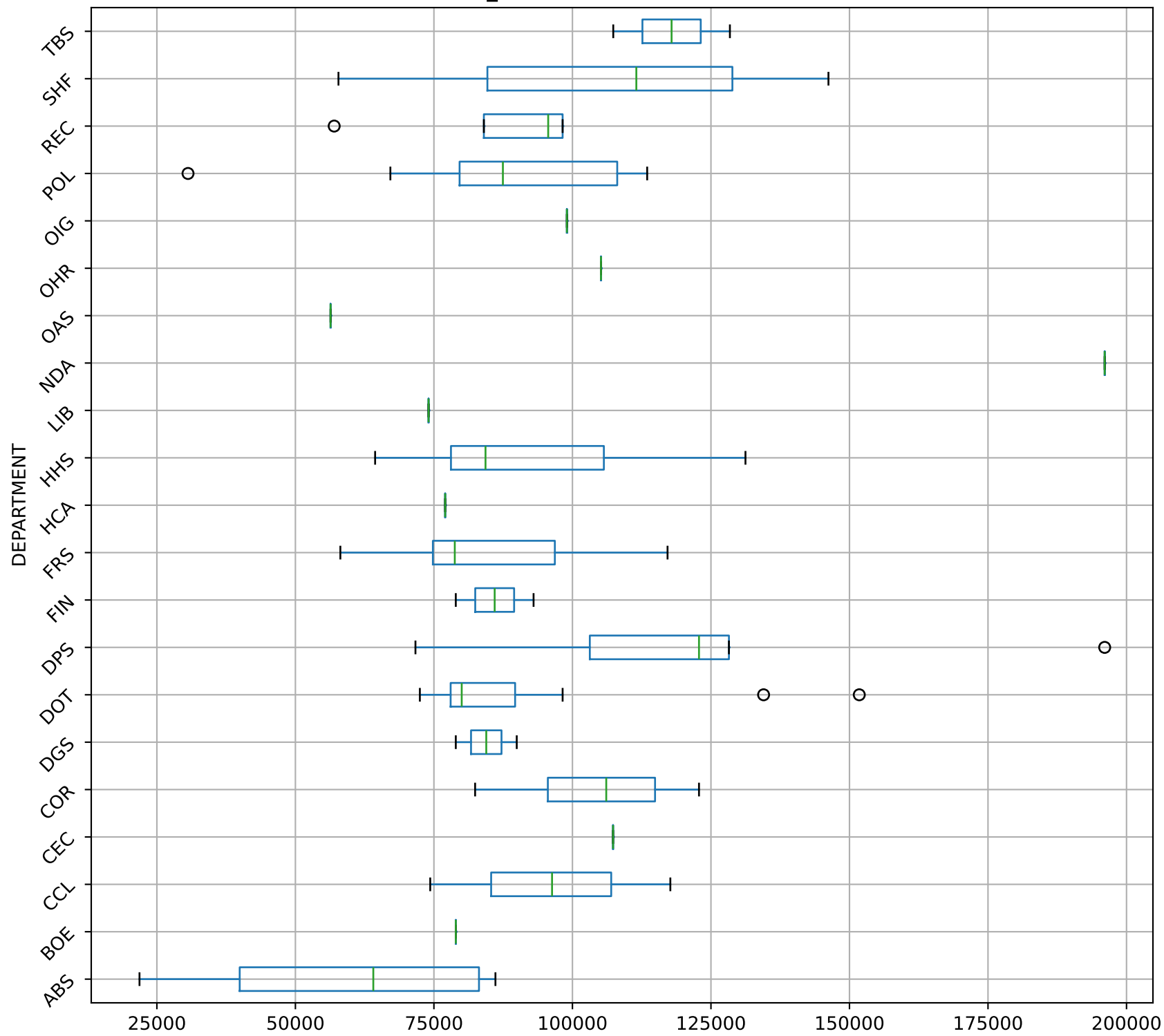
Boxplot grouped by ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']

LONGEVITY\_PAY and ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']



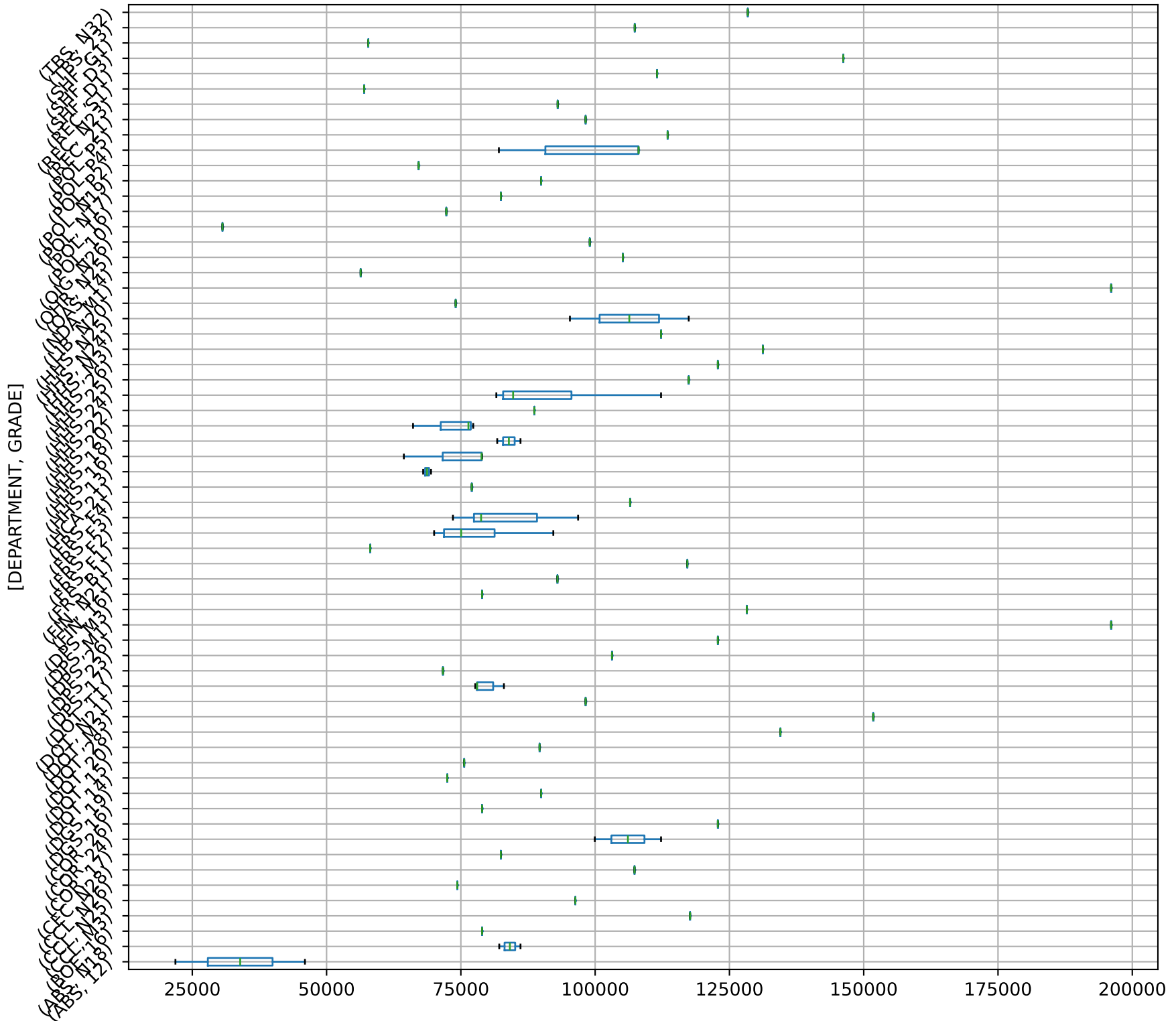
Boxplot grouped by DEPARTMENT

**BASE\_SALARY and DEPARTMENT**



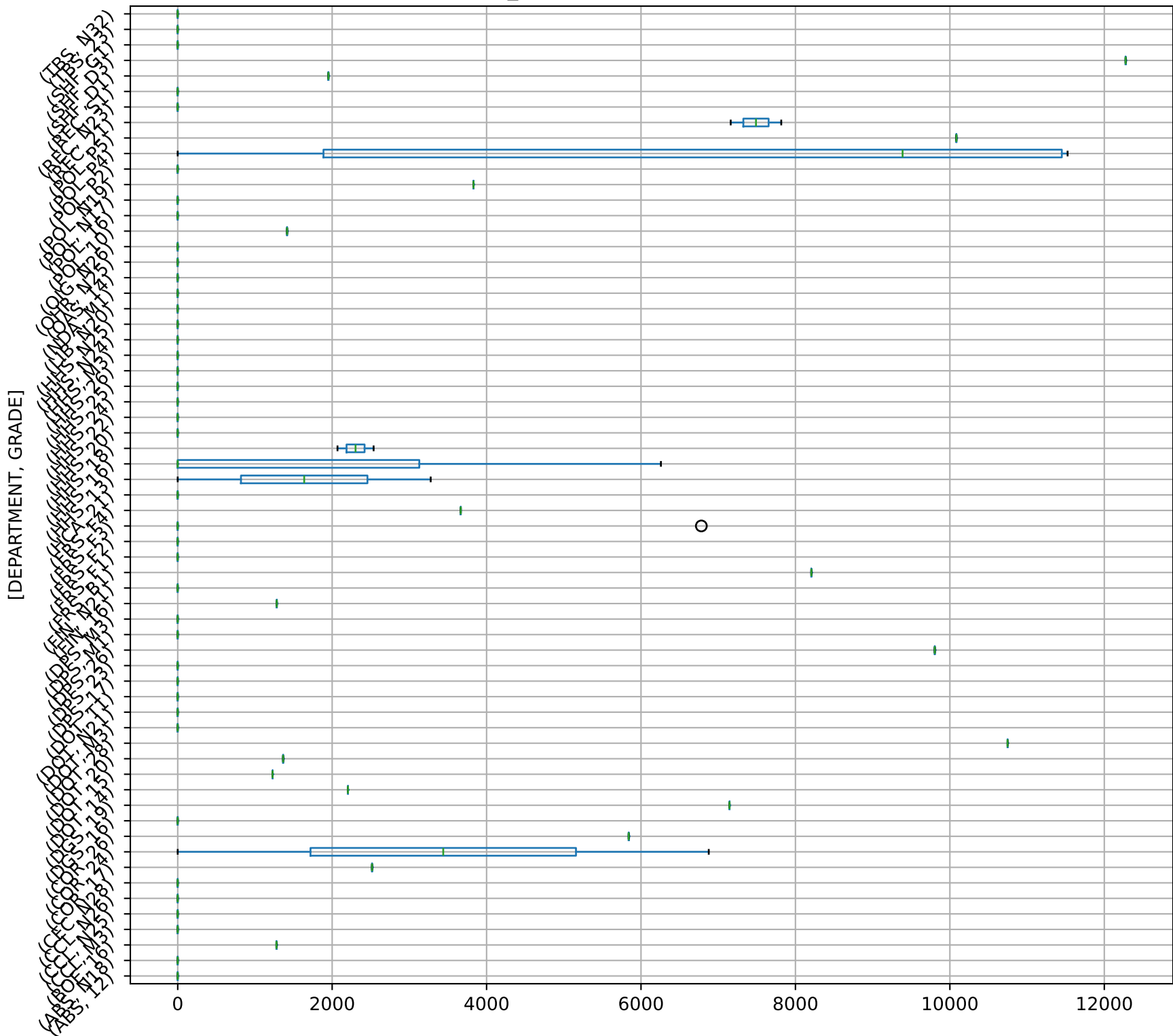
Boxplot grouped by ['DEPARTMENT', 'GRADE']

BASE\_SALARY and ['DEPARTMENT', 'GRADE']

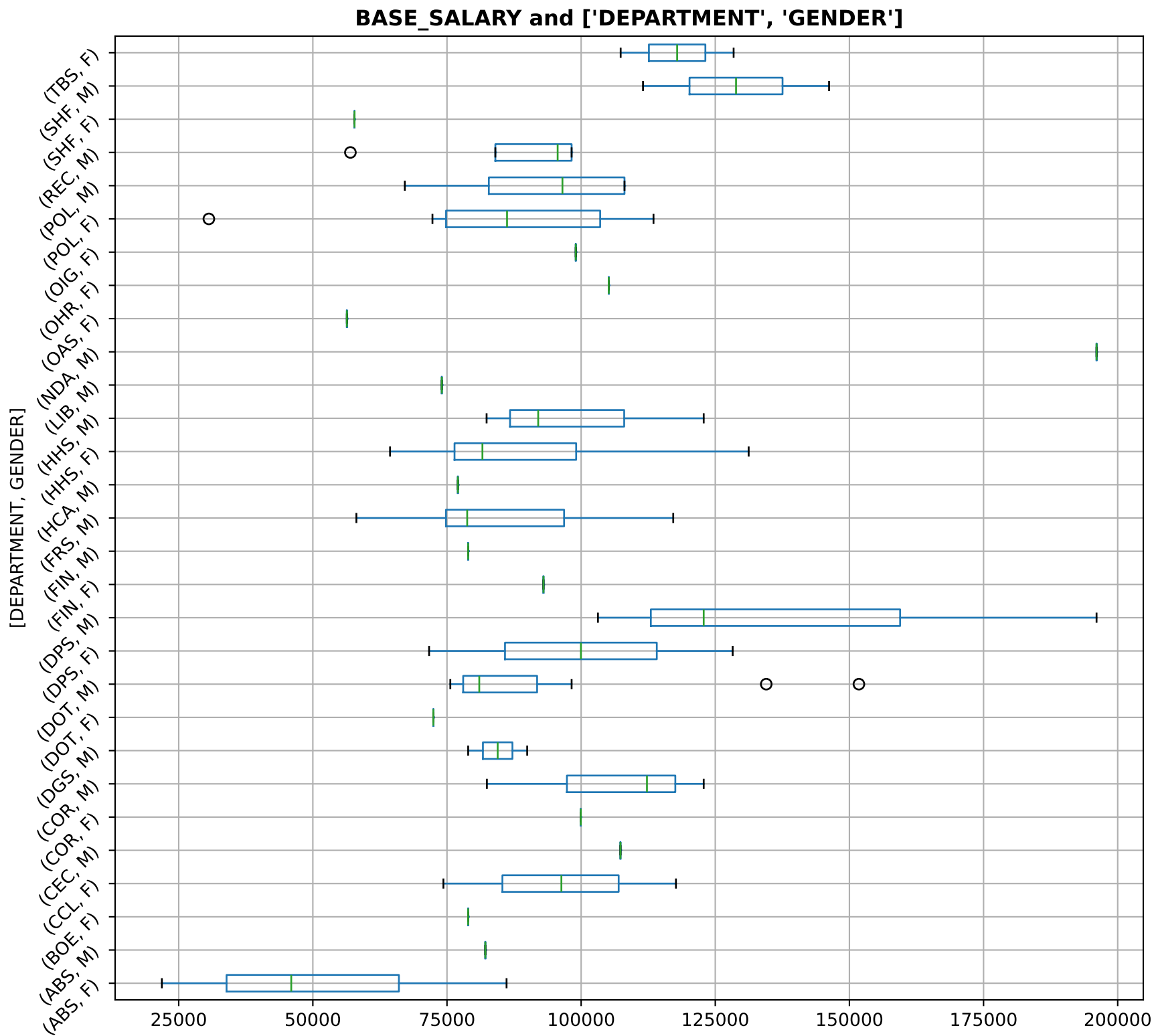


Boxplot grouped by ['DEPARTMENT', 'GRADE']

LONGEVITY\_PAY and ['DEPARTMENT', 'GRADE']



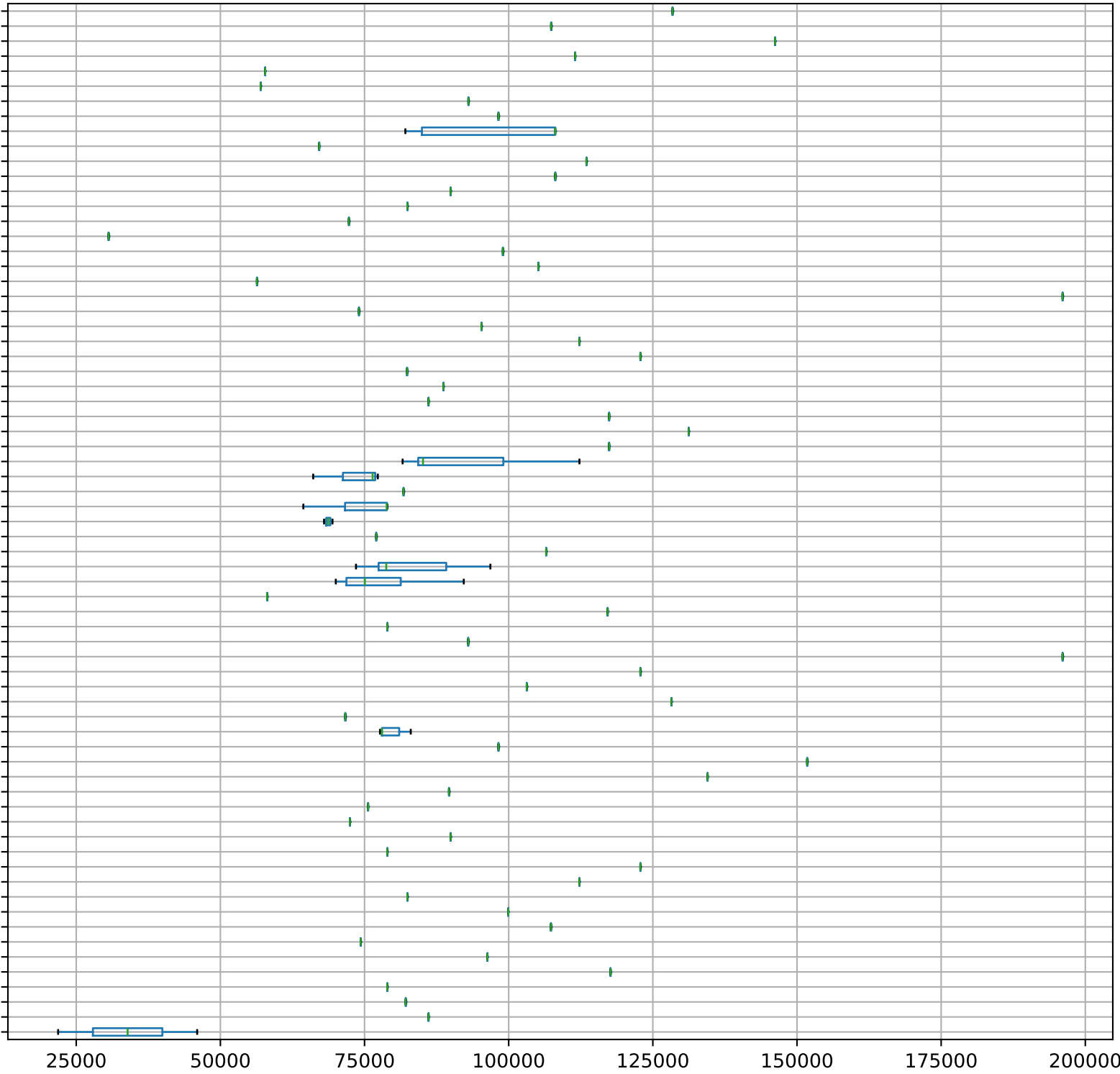
Boxplot grouped by ['DEPARTMENT', 'GENDER']



Boxplot grouped by ['DEPARTMENT', 'GENDER', 'GRADE']

BASE\_SALARY and ['DEPARTMENT', 'GENDER', 'GRADE']

DEPARTMENT, GENDER, GRADE

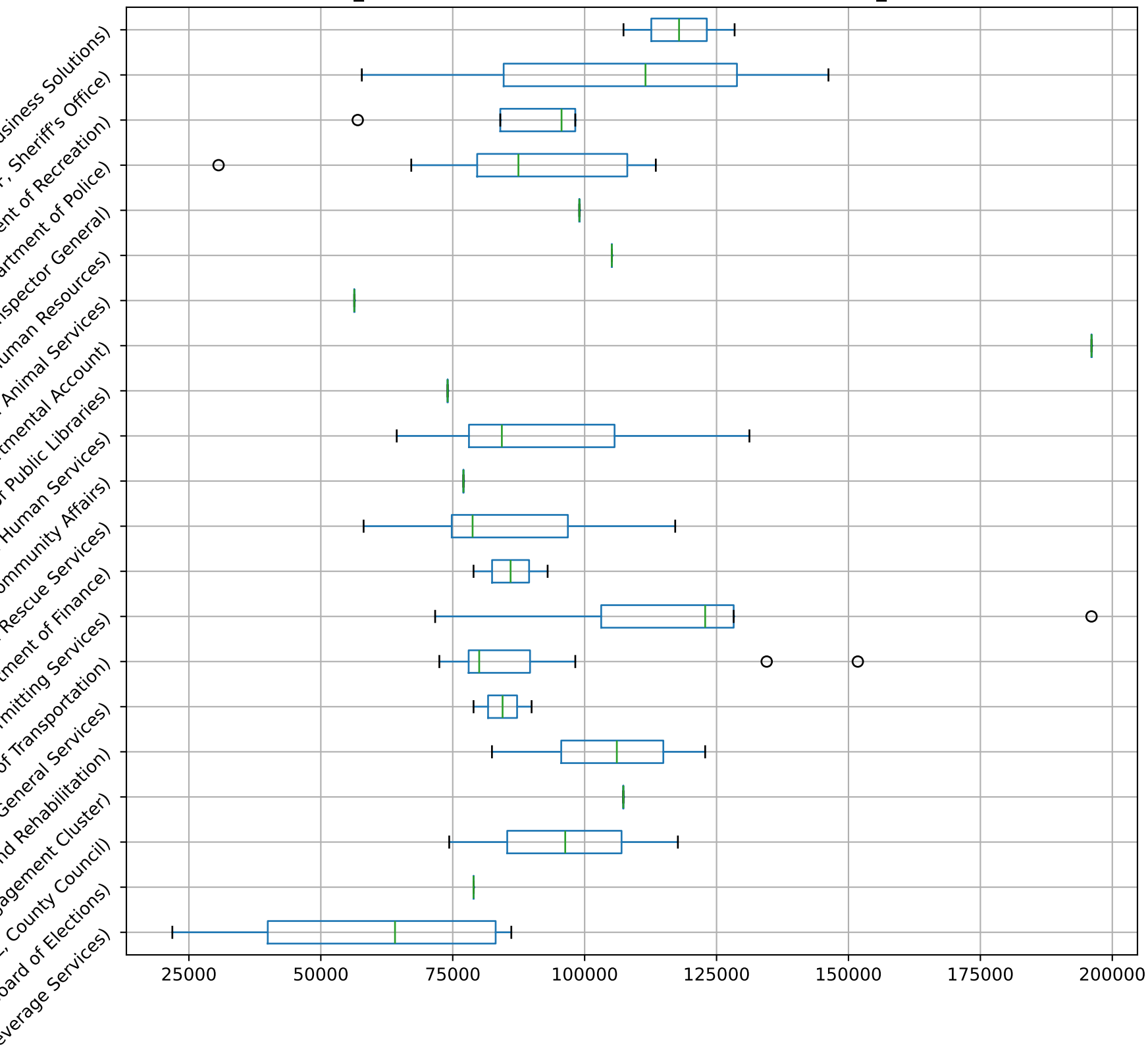






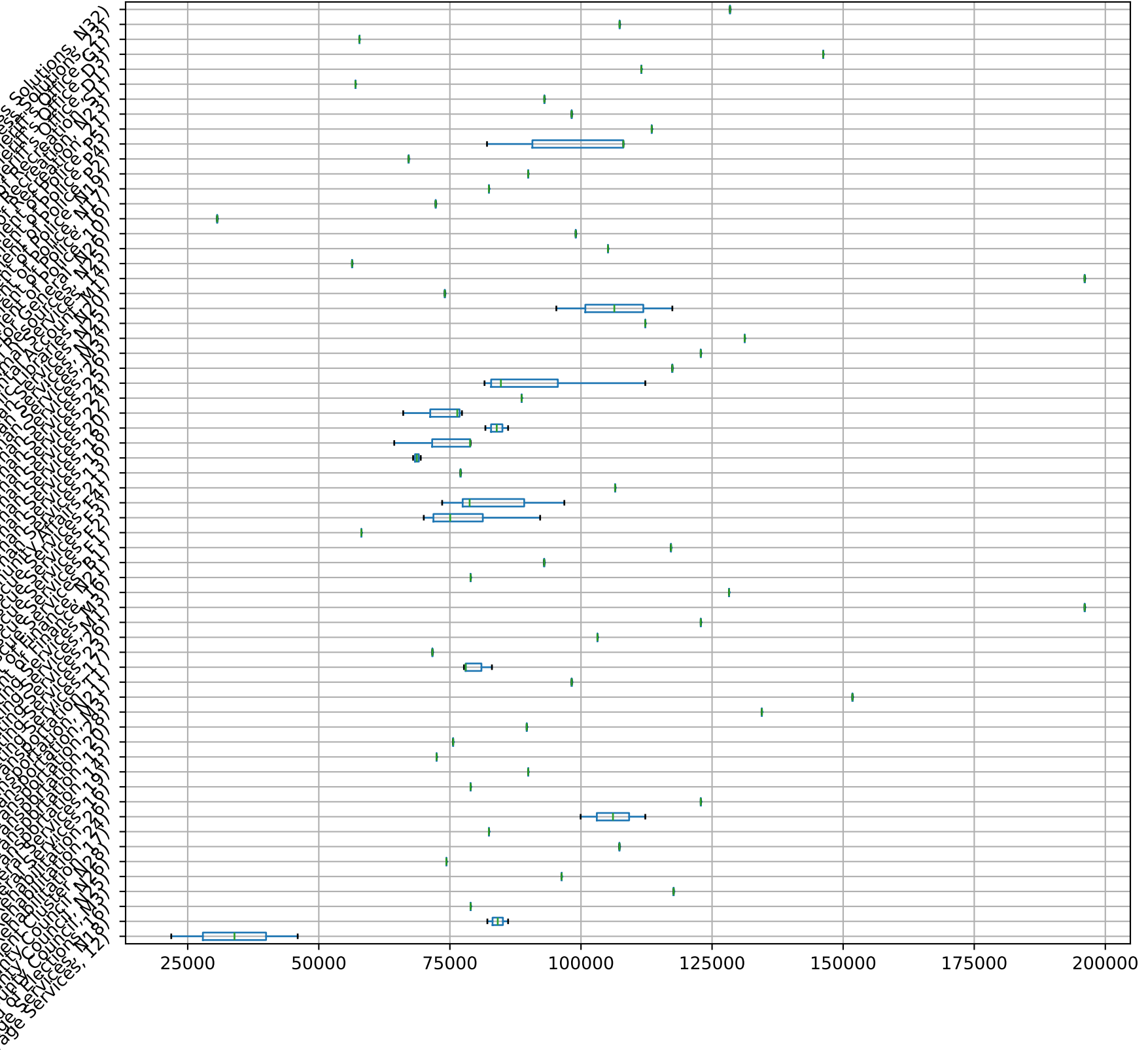
Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME']

BASE\_SALARY and ['DEPARTMENT', 'DEPARTMENT\_NAME']



Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GRADE']

**BASE\_SALARY and ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GRADE']**

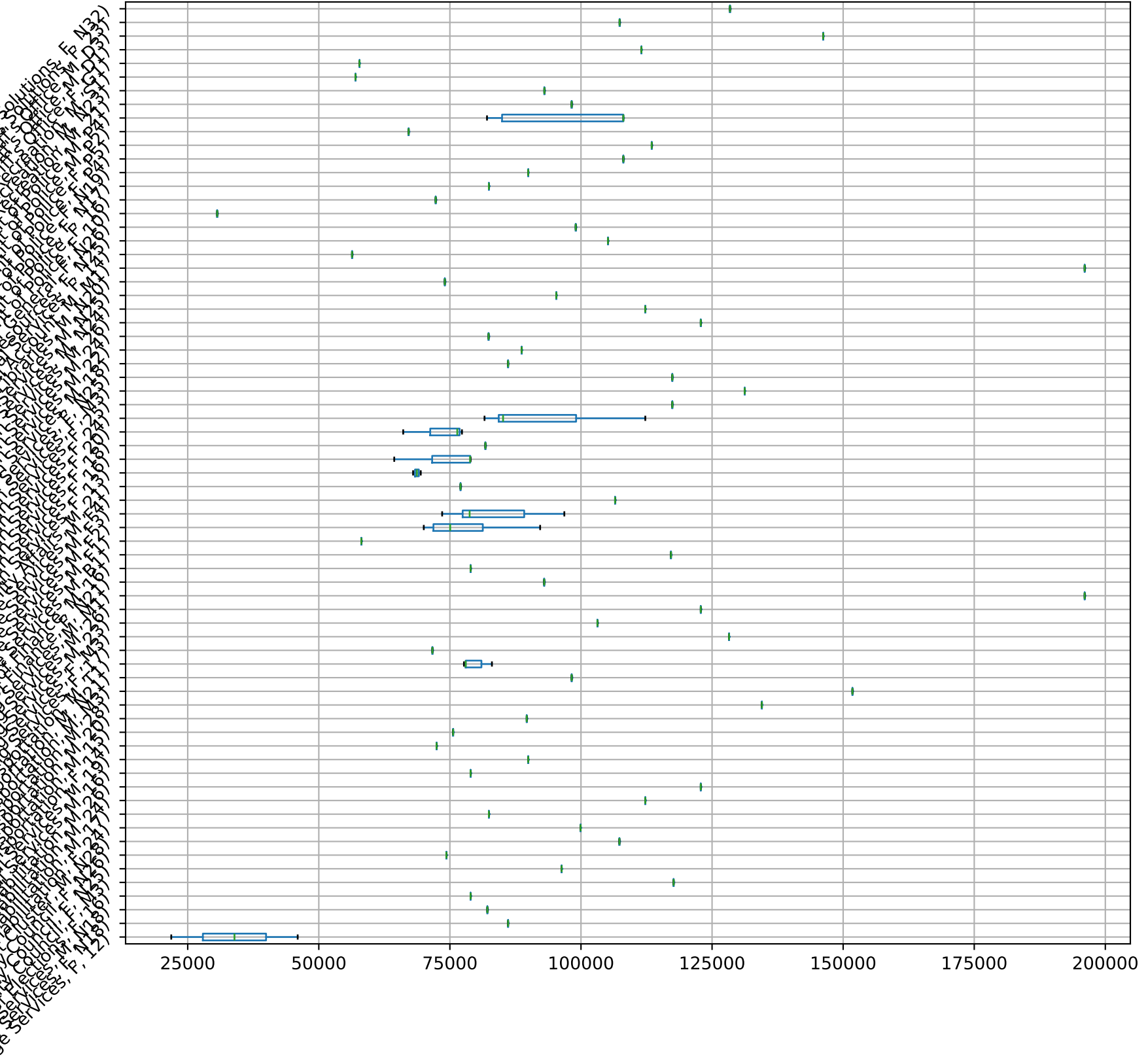


[illegible][illegible]



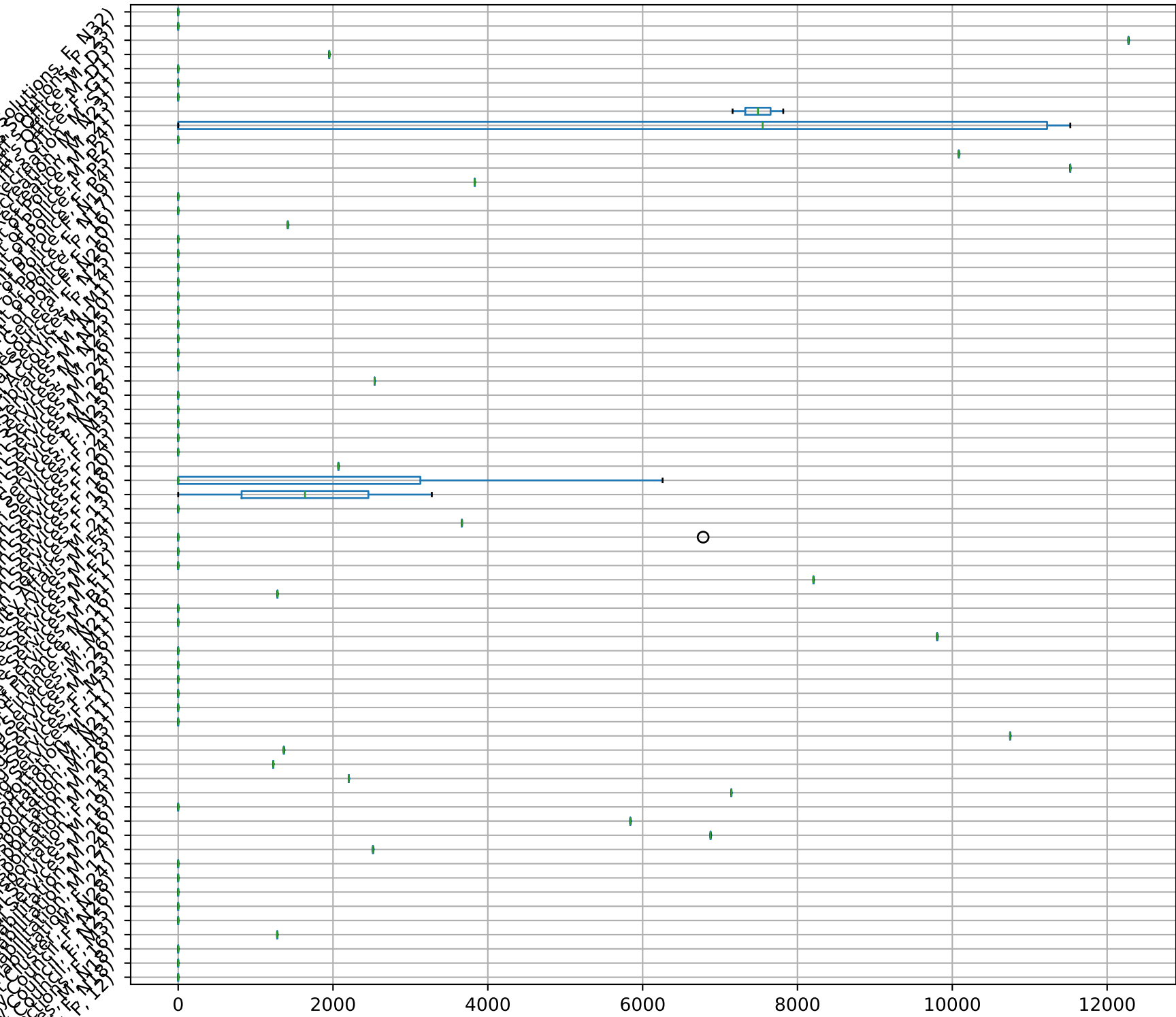
Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']

**BASE\_SALARY** and ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']



Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']

**LONGEVITY\_PAY** and ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']



Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']

**Anova test for combination of Location & numerical 0-Not\_Significant 1-Significant**

BASE\_SALARY

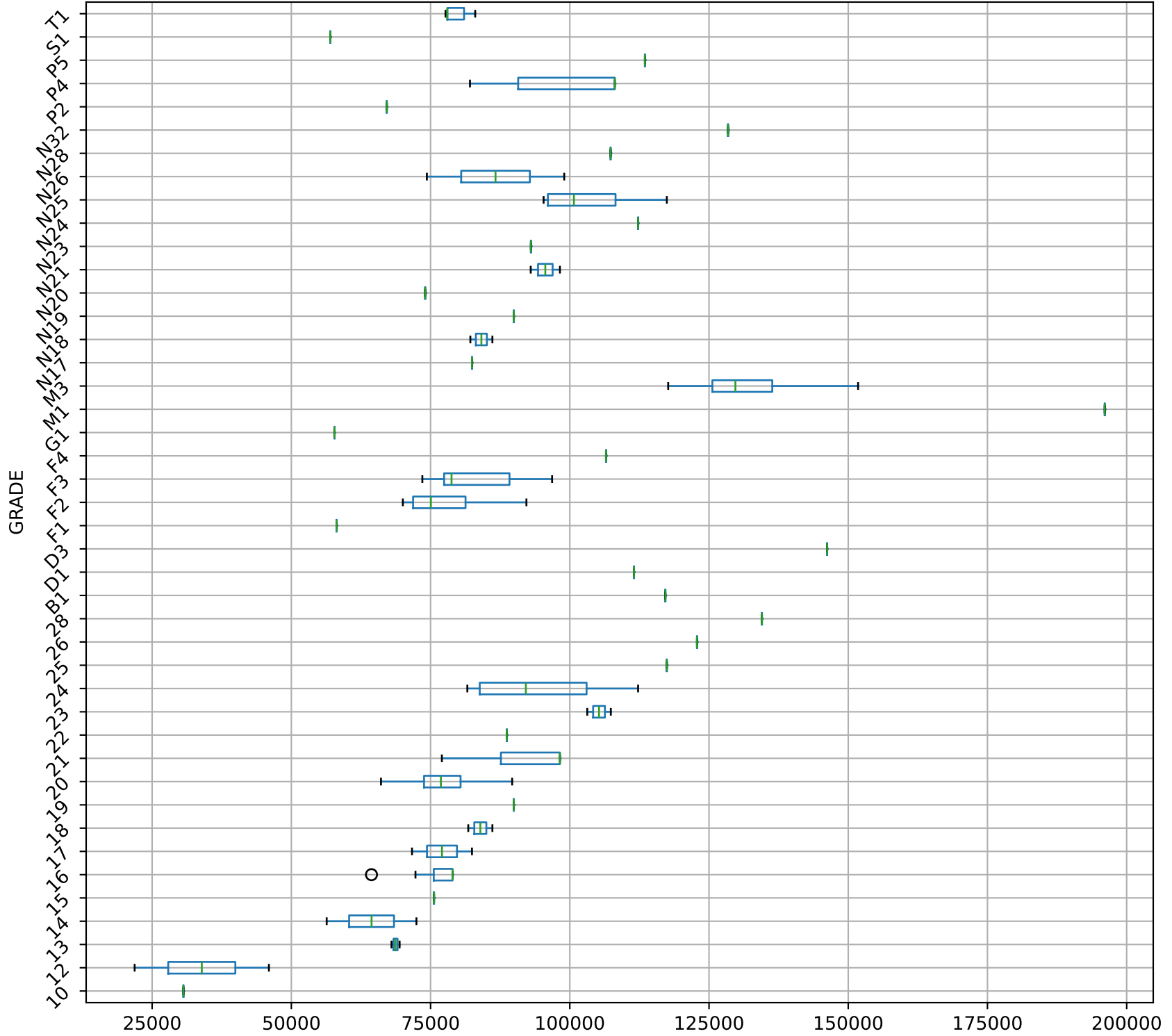
OVERTIME\_PAY

LONGEVITY\_PAY



Boxplot grouped by GRADE

**BASE\_SALARY and GRADE**





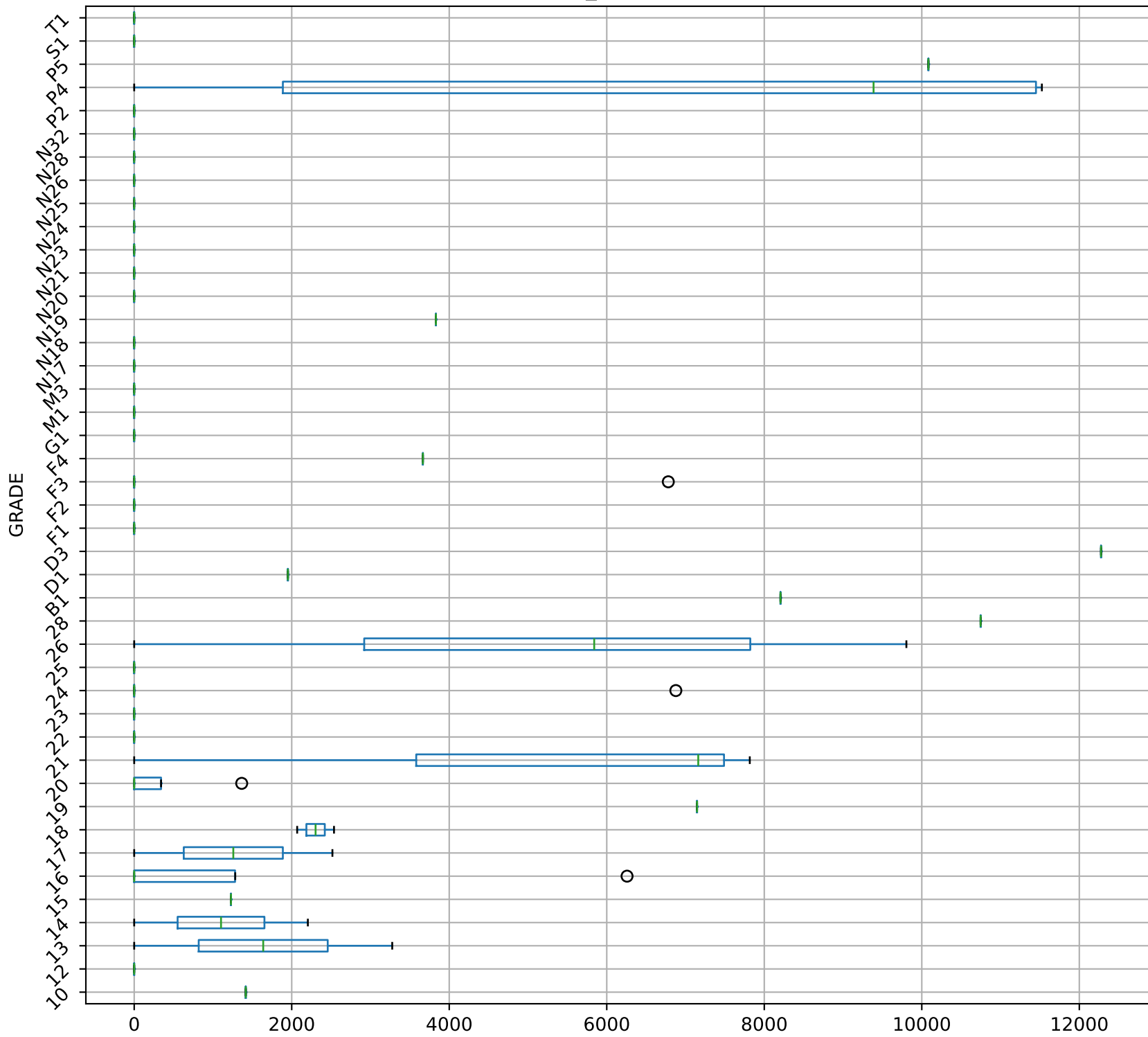
Boxplot grouped by GRADE

OVERTIME\_PAY and GRADE



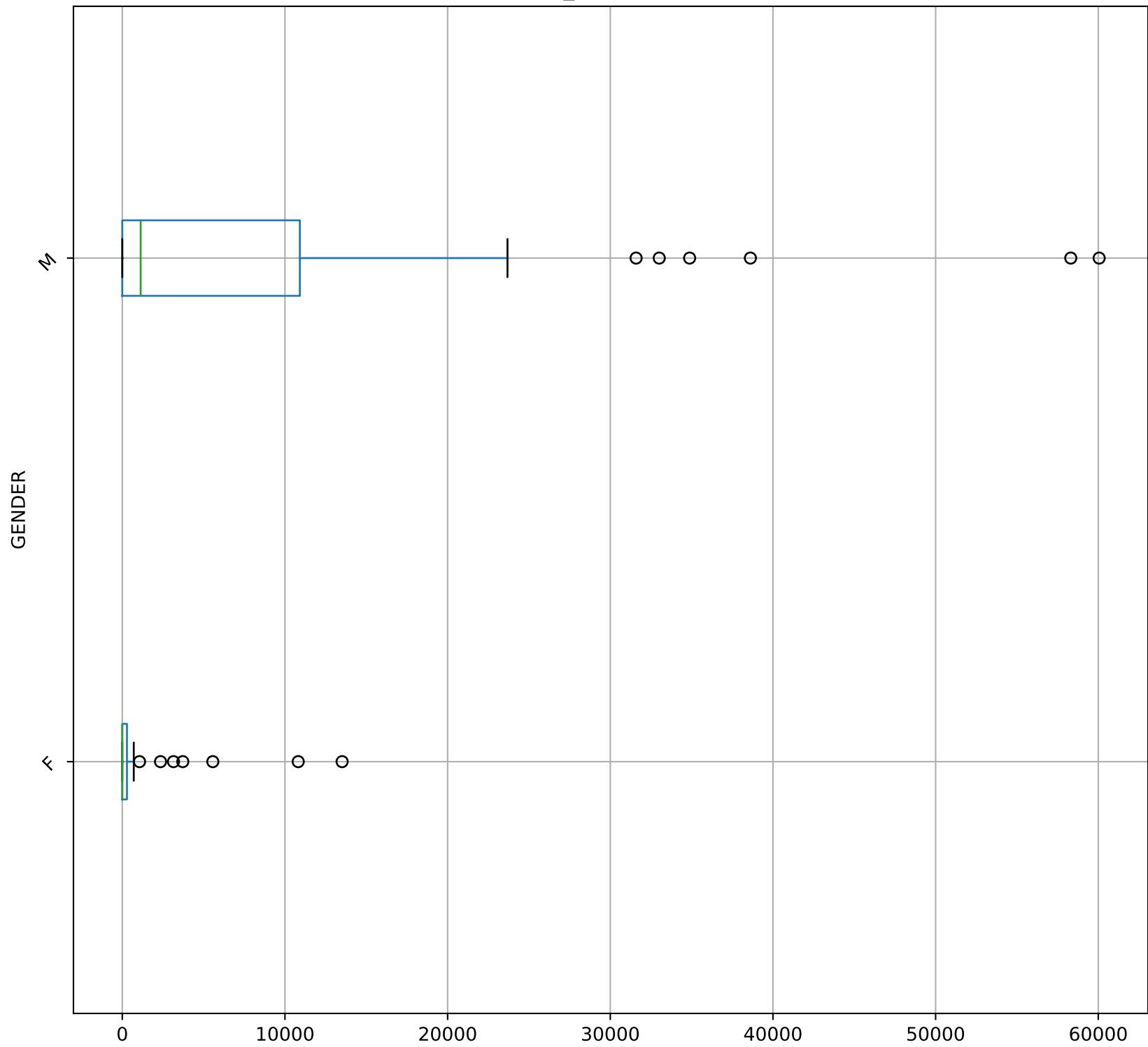
Boxplot grouped by GRADE

LONGEVITY\_PAY and GRADE



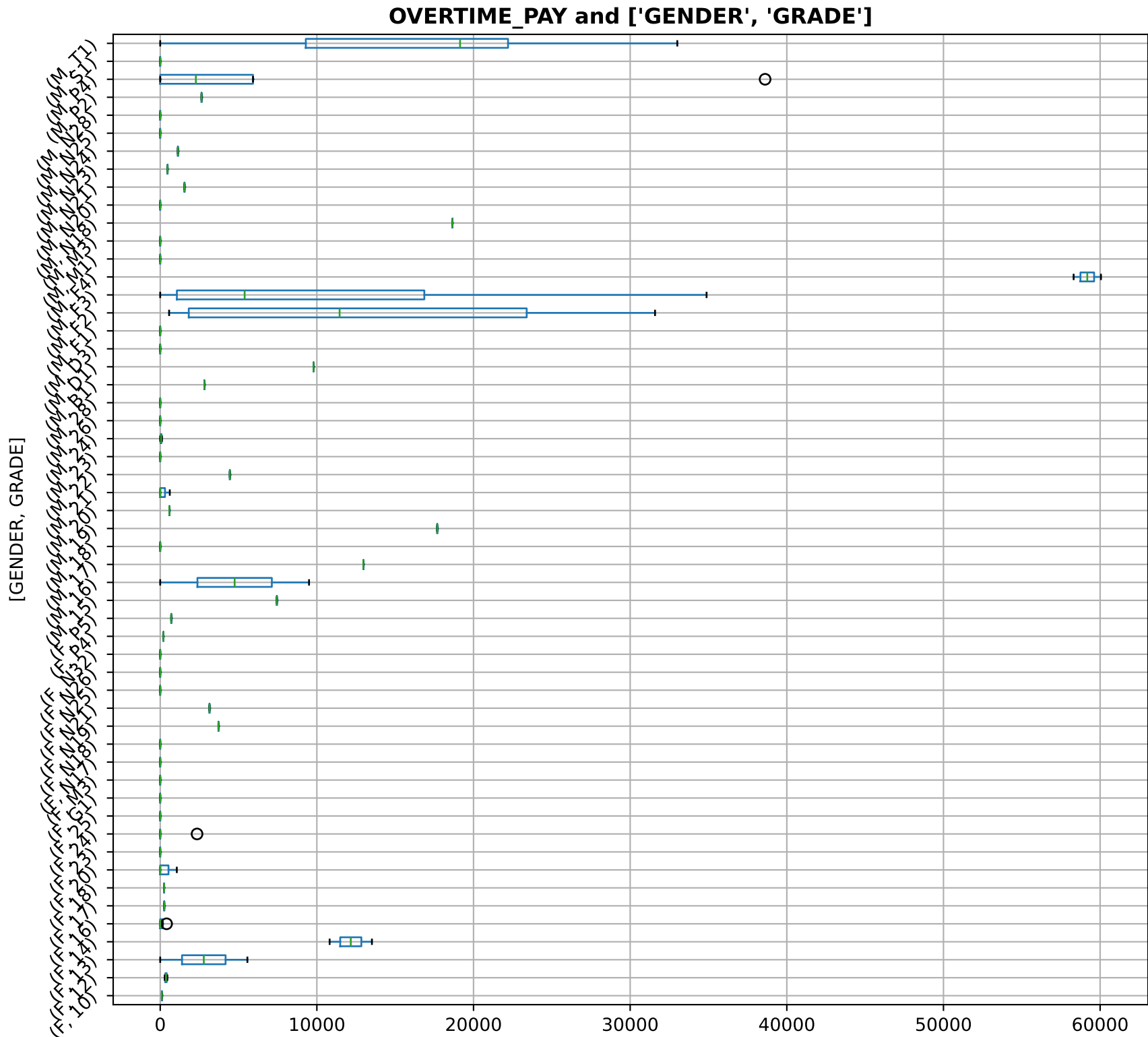
Boxplot grouped by GENDER

**OVERTIME\_PAY and GENDER**

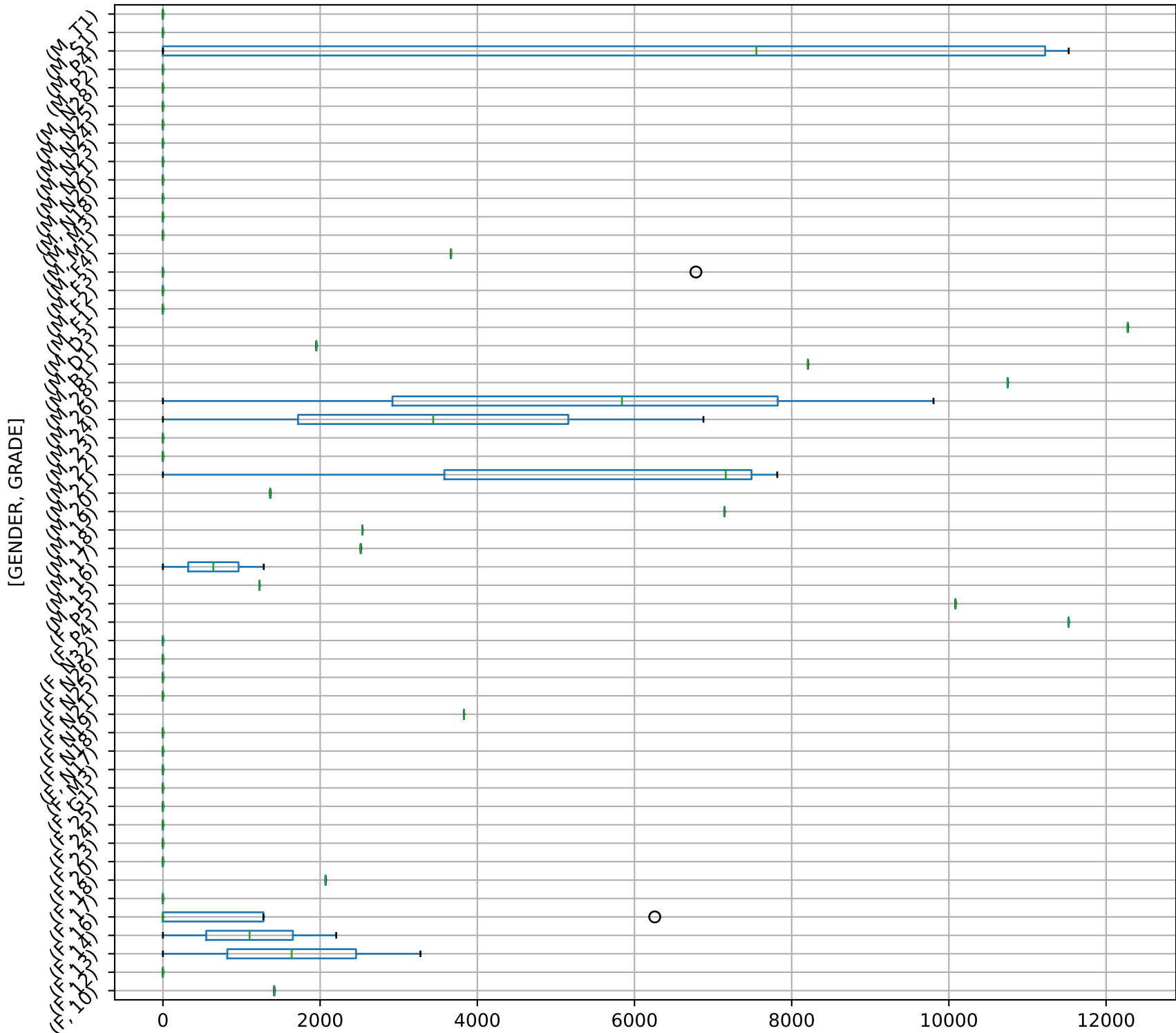




Boxplot grouped by ['GENDER', 'GRADE']

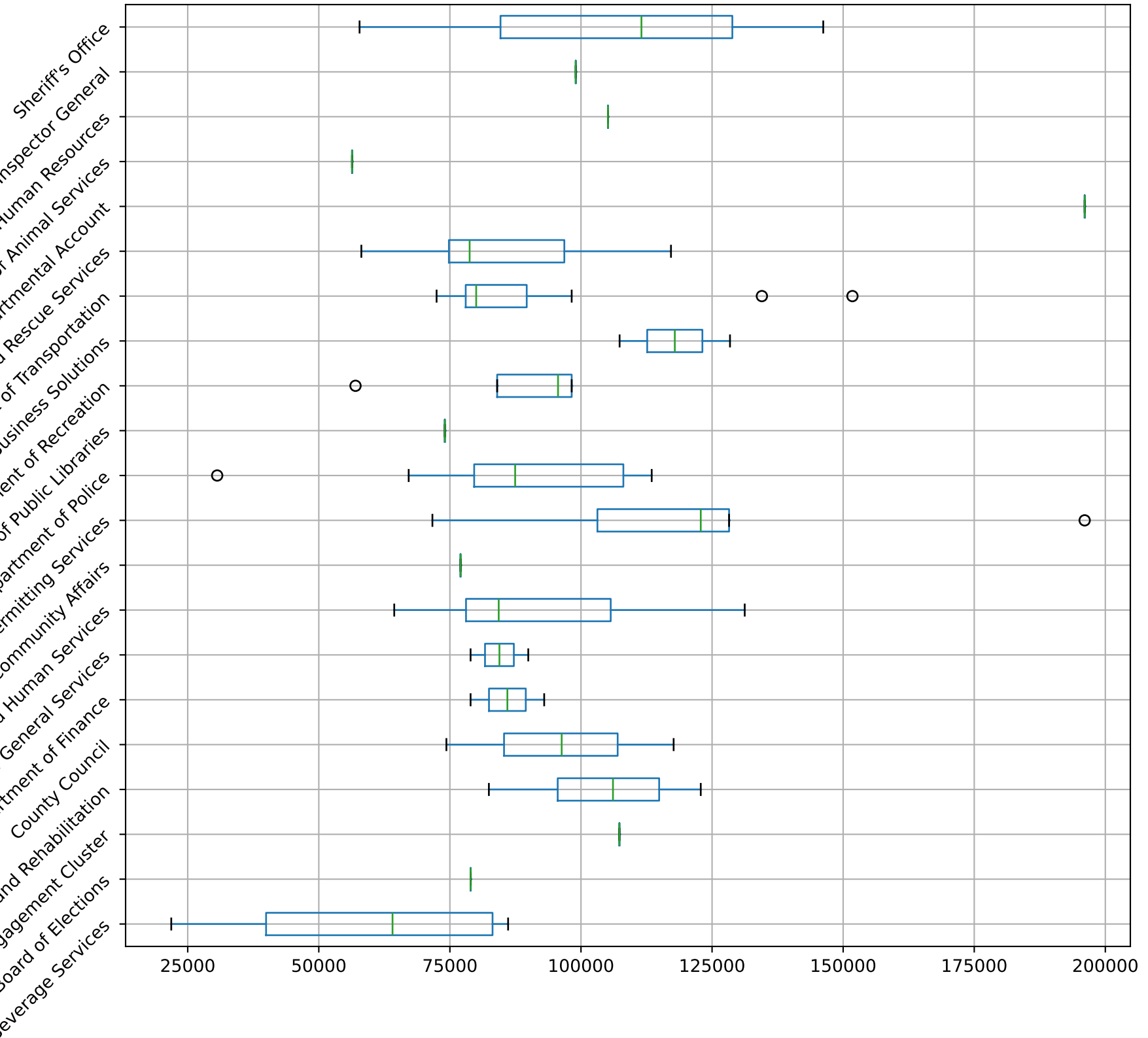


**LONGEVITY\_PAY** and **['GENDER', 'GRADE']**



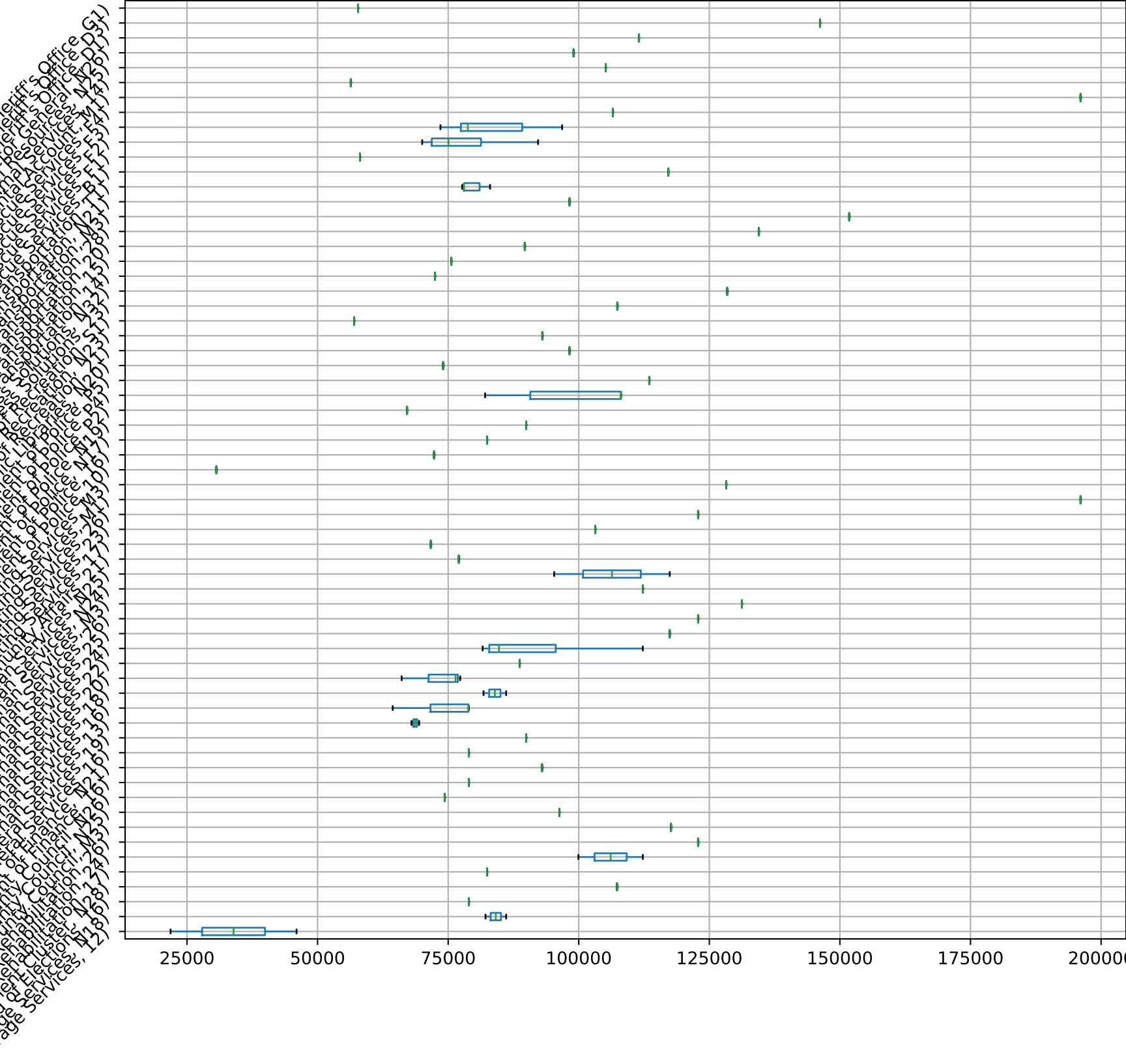
Boxplot grouped by DEPARTMENT\_NAME

BASE\_SALARY and DEPARTMENT\_NAME



Boxplot grouped by ['DEPARTMENT\_NAME', 'GRADE']

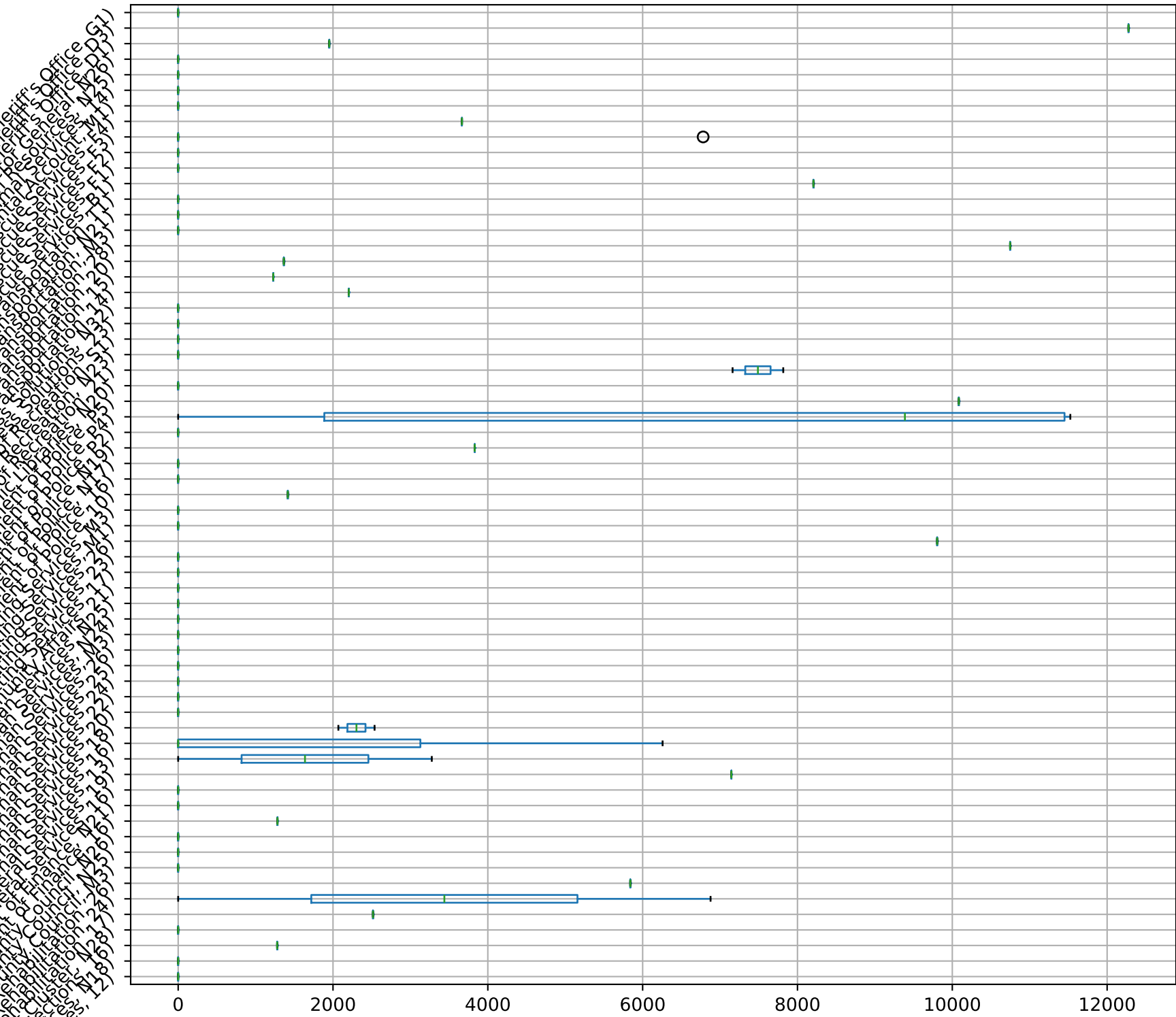
BASE\_SALARY and ['DEPARTMENT\_NAME', 'GRADE']





Boxplot grouped by ['DEPARTMENT\_NAME', 'GRADE']

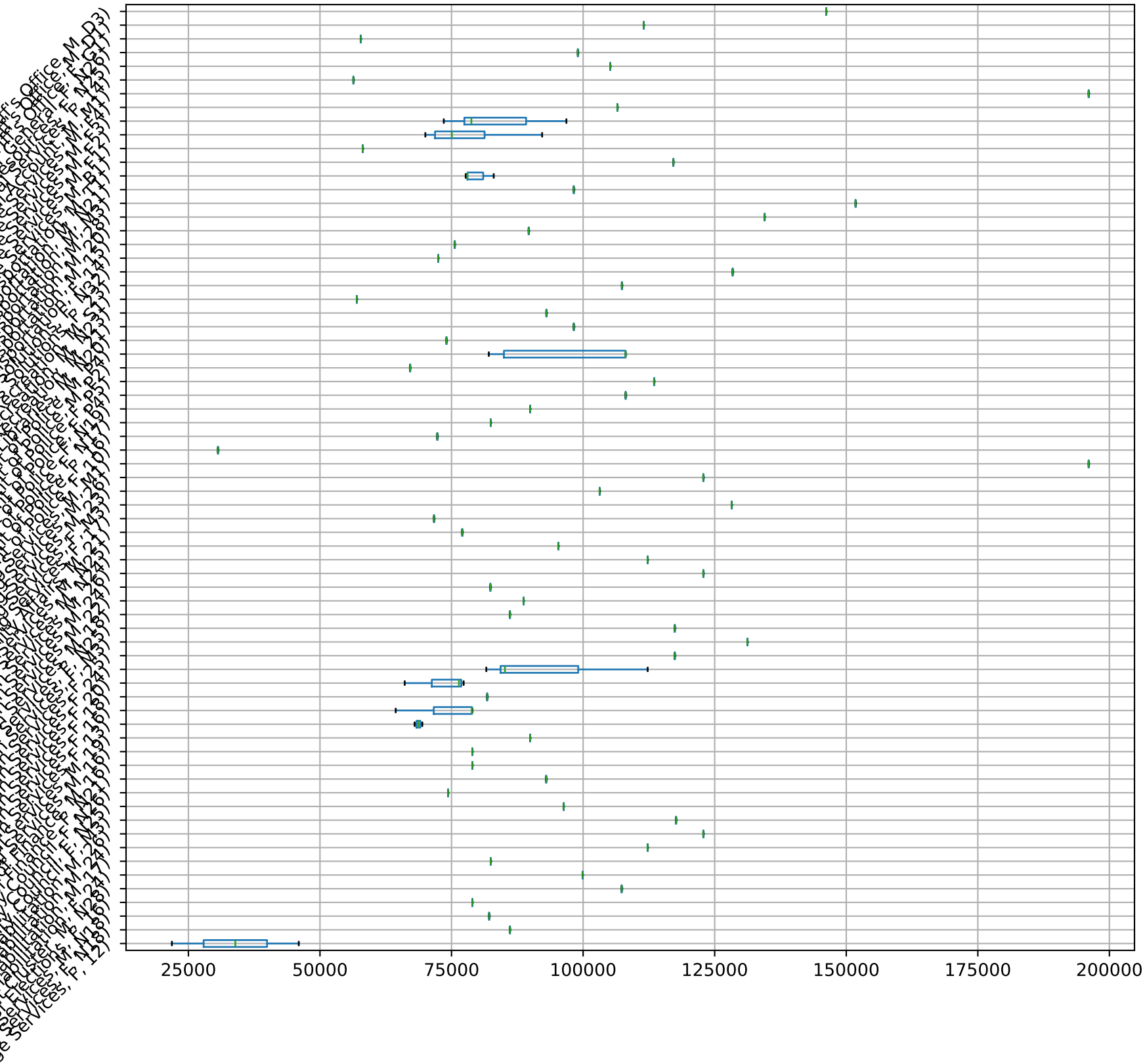
**LONGEVITY\_PAY** and **['DEPARTMENT\_NAME', 'GRADE']**





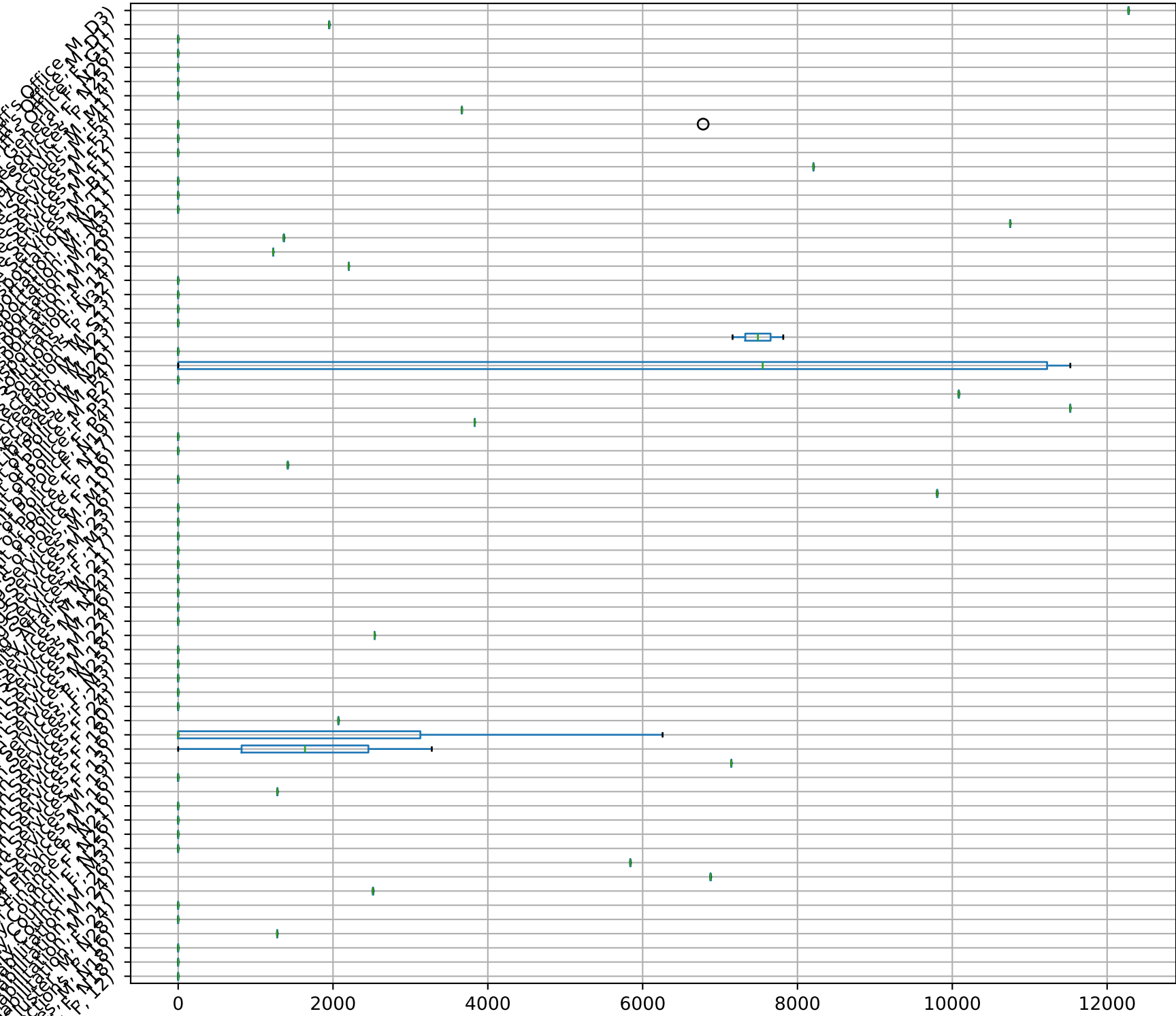
Boxplot grouped by ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']

BASE\_SALARY and ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']



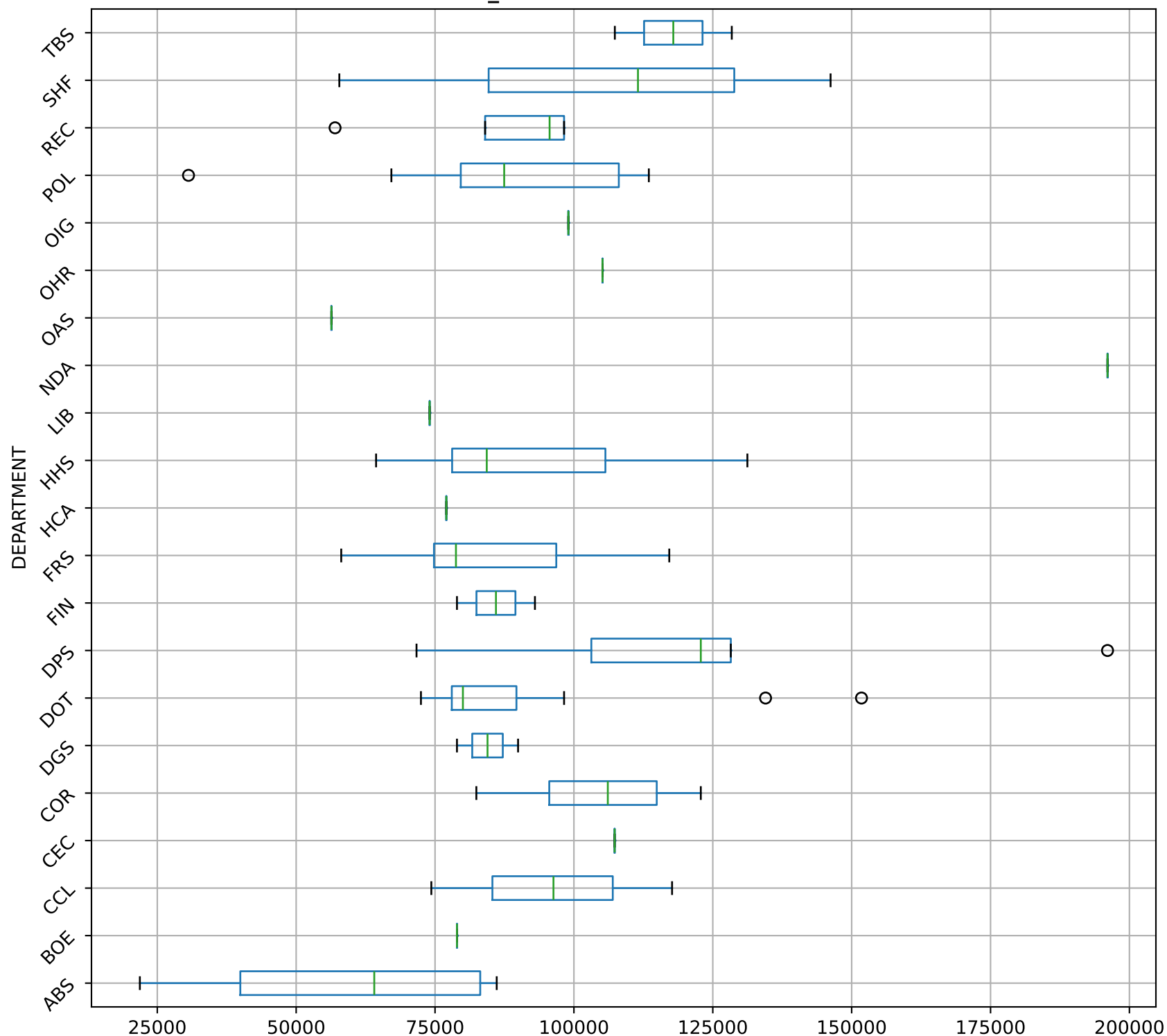
Boxplot grouped by ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']

LONGEVITY\_PAY and ['DEPARTMENT\_NAME', 'GENDER', 'GRADE']



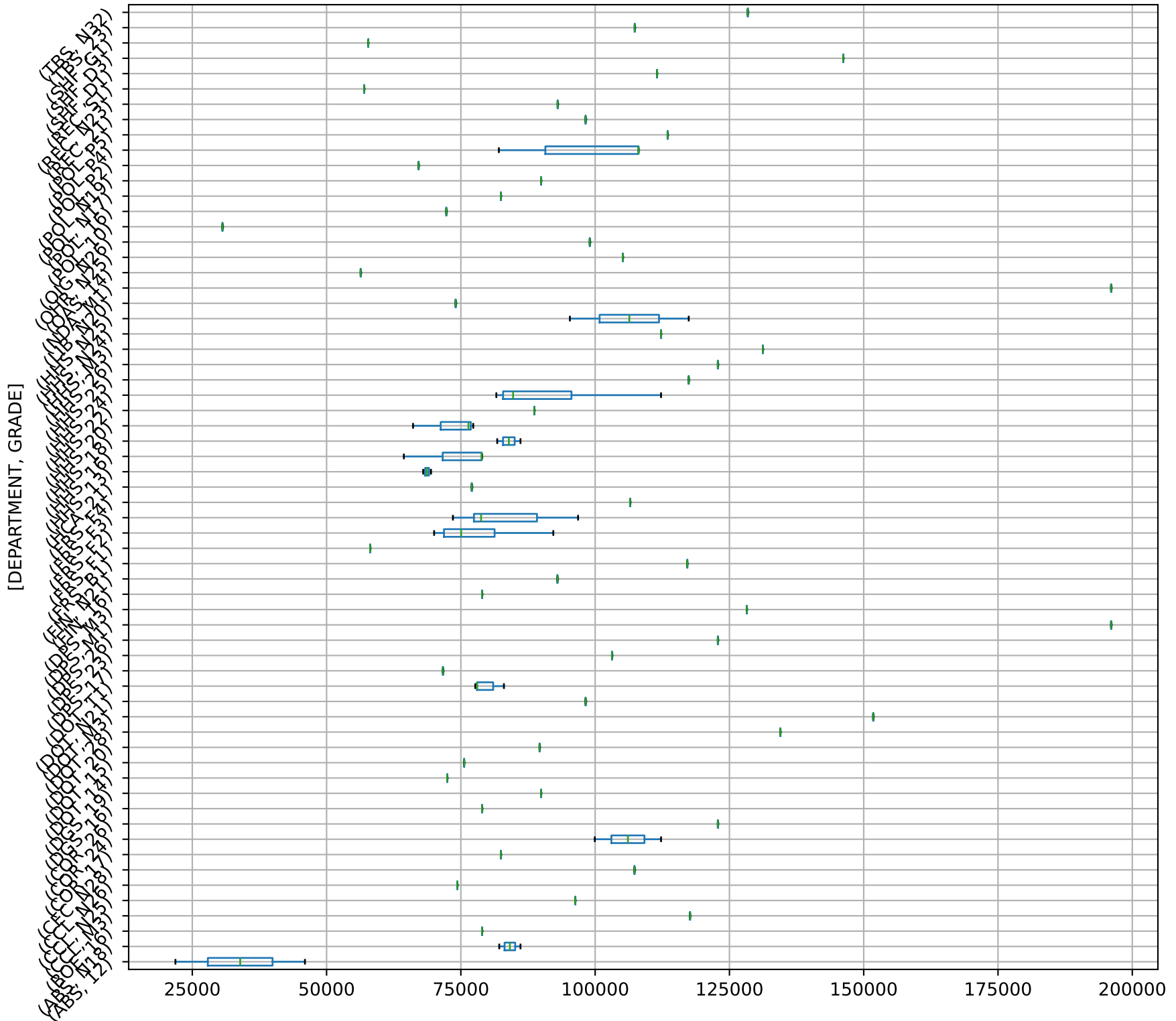
Boxplot grouped by DEPARTMENT

**BASE\_SALARY and DEPARTMENT**



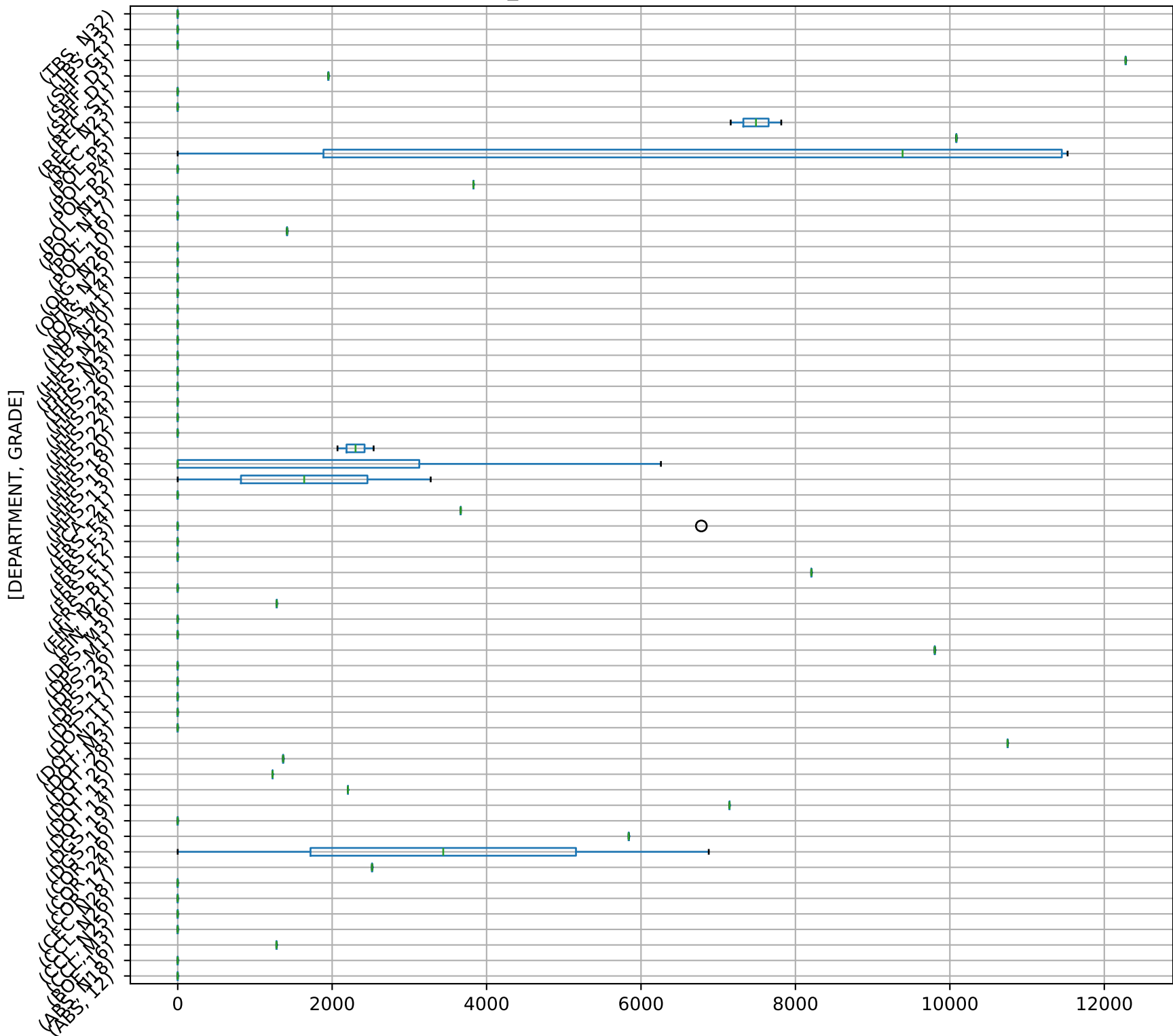
Boxplot grouped by ['DEPARTMENT', 'GRADE']

BASE\_SALARY and ['DEPARTMENT', 'GRADE']

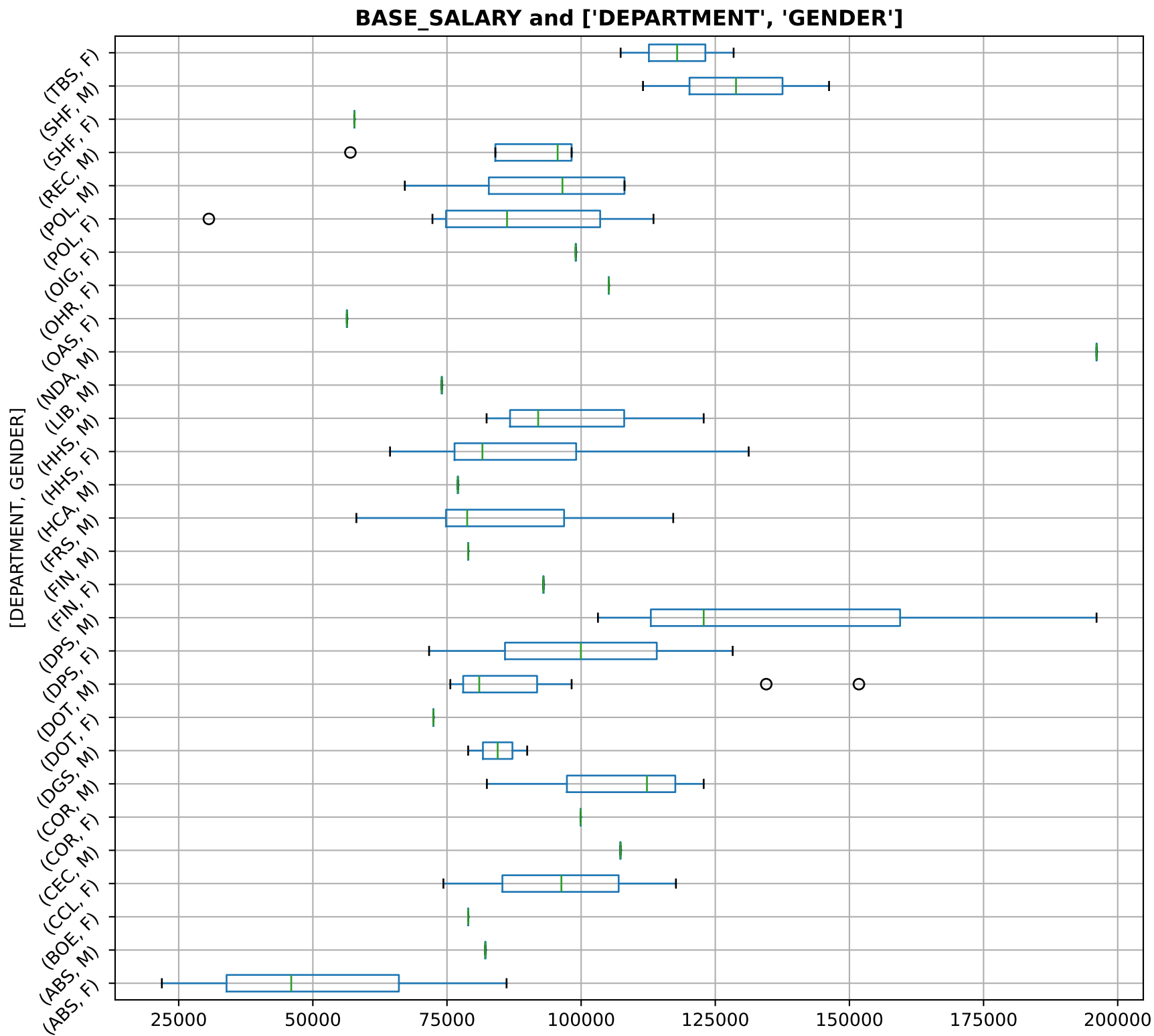


Boxplot grouped by ['DEPARTMENT', 'GRADE']

LONGEVITY\_PAY and ['DEPARTMENT', 'GRADE']



Boxplot grouped by ['DEPARTMENT', 'GENDER']

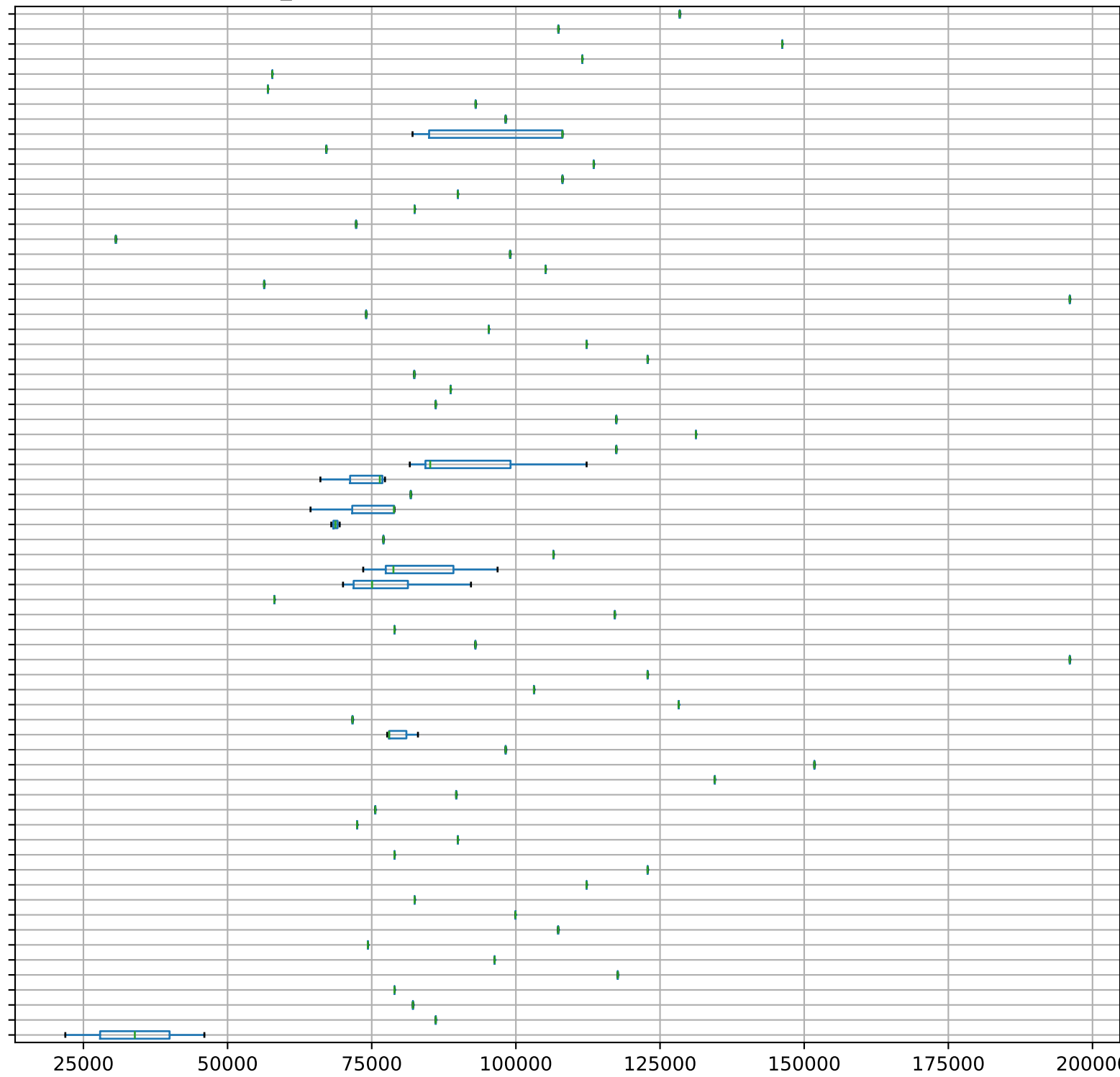




Boxplot grouped by ['DEPARTMENT', 'GENDER', 'GRADE']

BASE\_SALARY and ['DEPARTMENT', 'GENDER', 'GRADE']

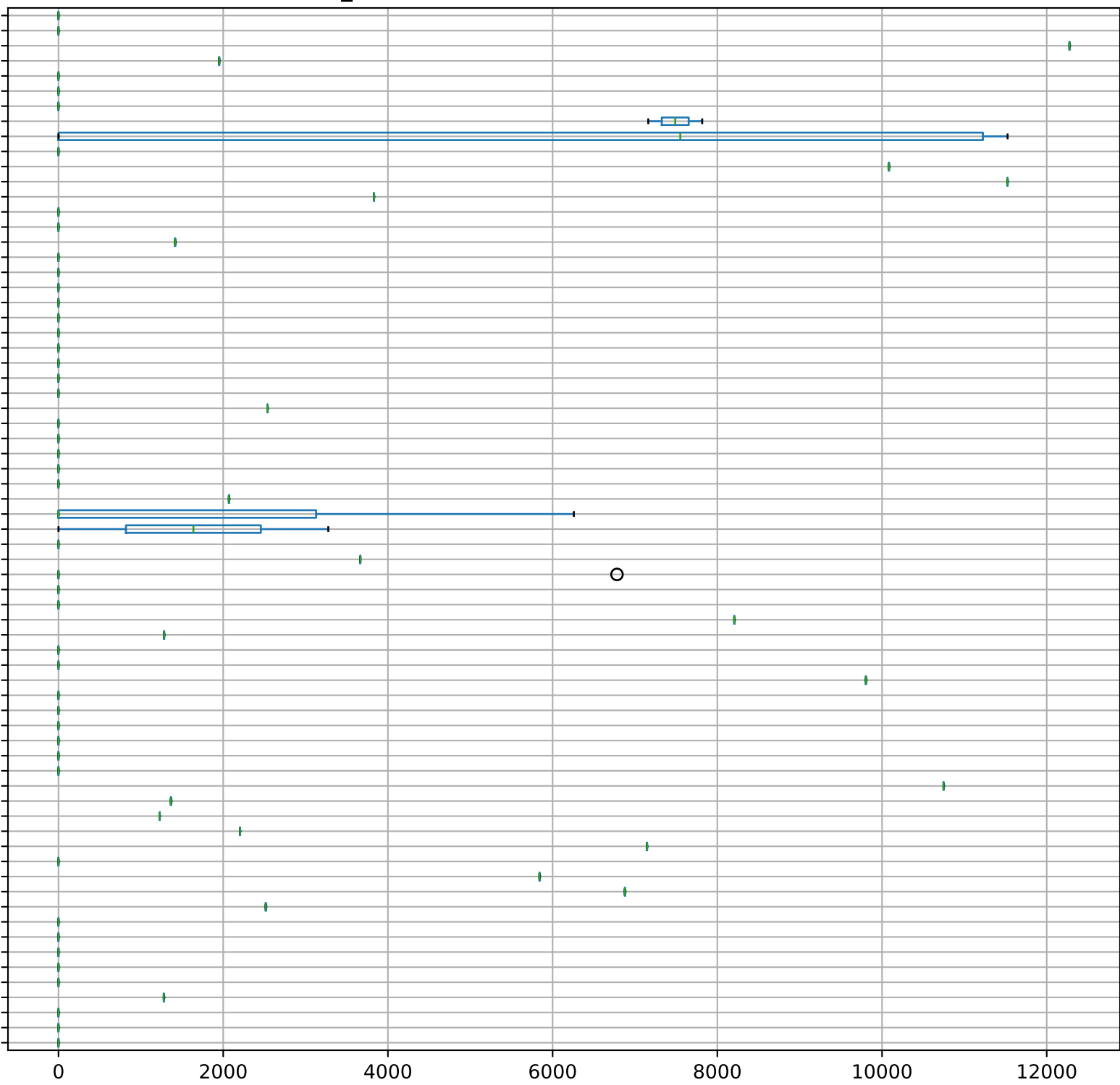
DEPARTMENT, GENDER, GRADE



Boxplot grouped by ['DEPARTMENT', 'GENDER', 'GRADE']

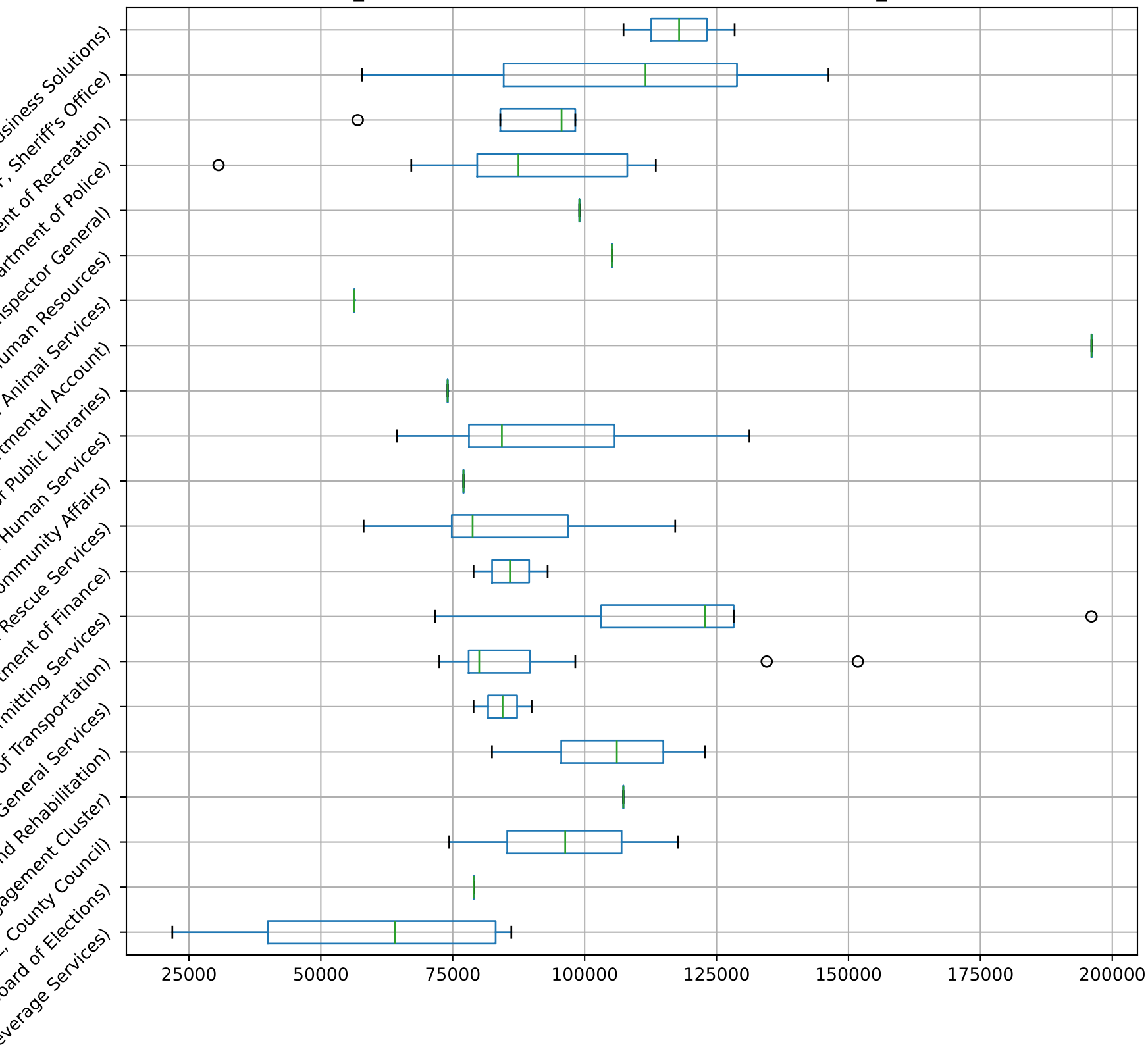
LONGEVITY\_PAY and ['DEPARTMENT', 'GENDER', 'GRADE']

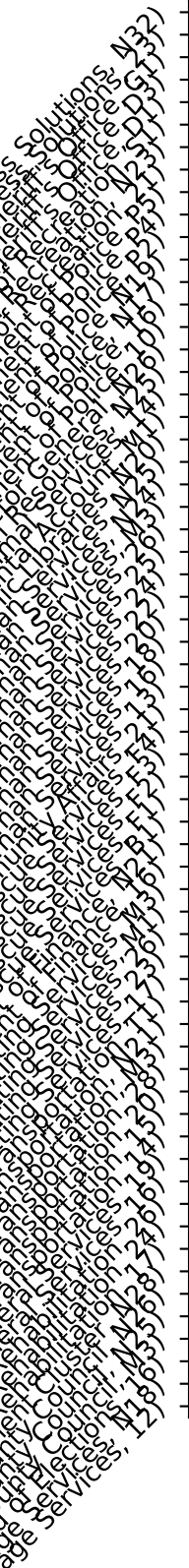
123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100



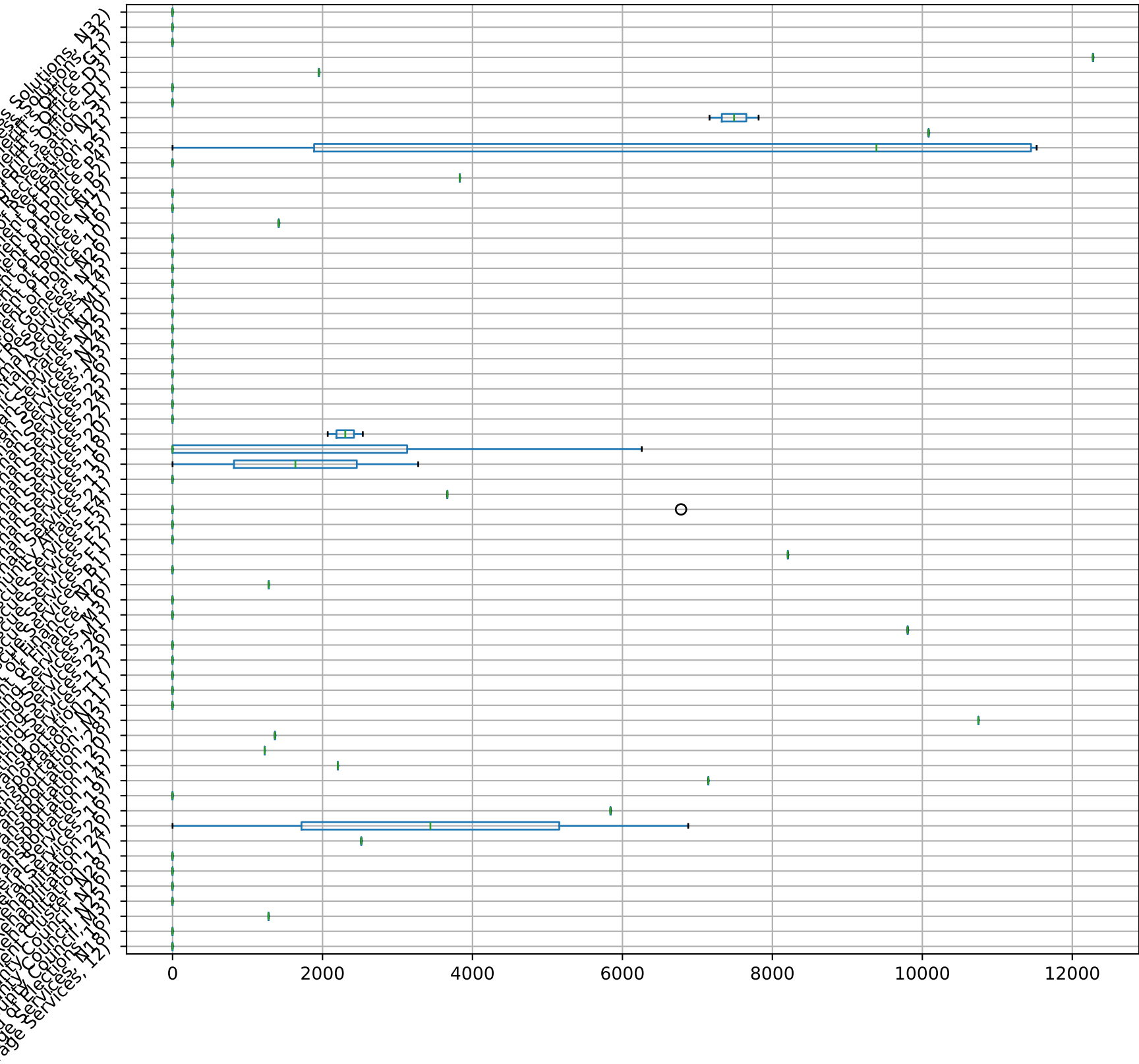
Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME']

BASE\_SALARY and ['DEPARTMENT', 'DEPARTMENT\_NAME']



[illegible][illegible]

**LONGEVITY\_PAY** and ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GRADE']





Boxplot grouped by ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']

**BASE\_SALARY** and ['DEPARTMENT', 'DEPARTMENT\_NAME', 'GENDER', 'GRADE']

