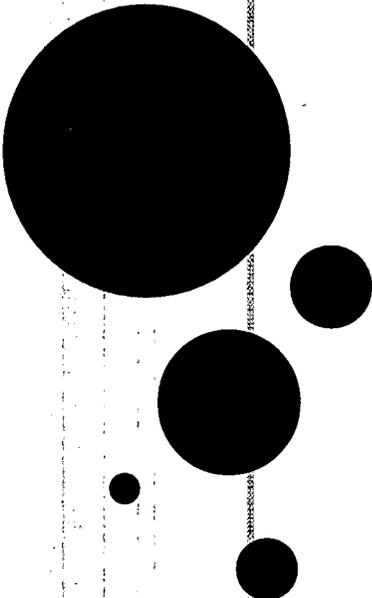


ENCLOSURE 8

Westinghouse Proprietary Class 3

“AP1000 Test Summary: Out of Plane, Behavioral, Anchorage” – (Non-Proprietary)



# **AP1000 TEST SUMMARY**

**-Out of Plane**

**-Behavioral**

**-Anchorage**

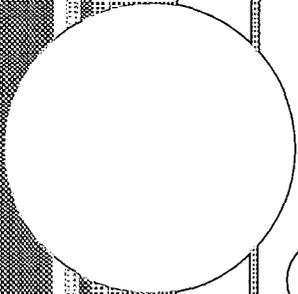
**Amit H. Varma**

**Purdue University**

# GOALS OF TESTING PROGRAM

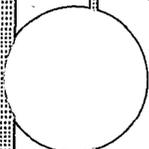
a, b, c





○ PART A

OUT-OF-PLANE SHEAR AND FLEXURE BEHAVIOR



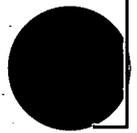
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



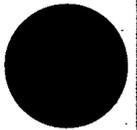
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



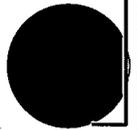
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



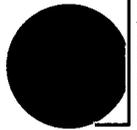
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



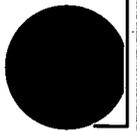
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



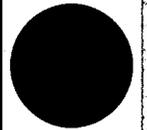
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



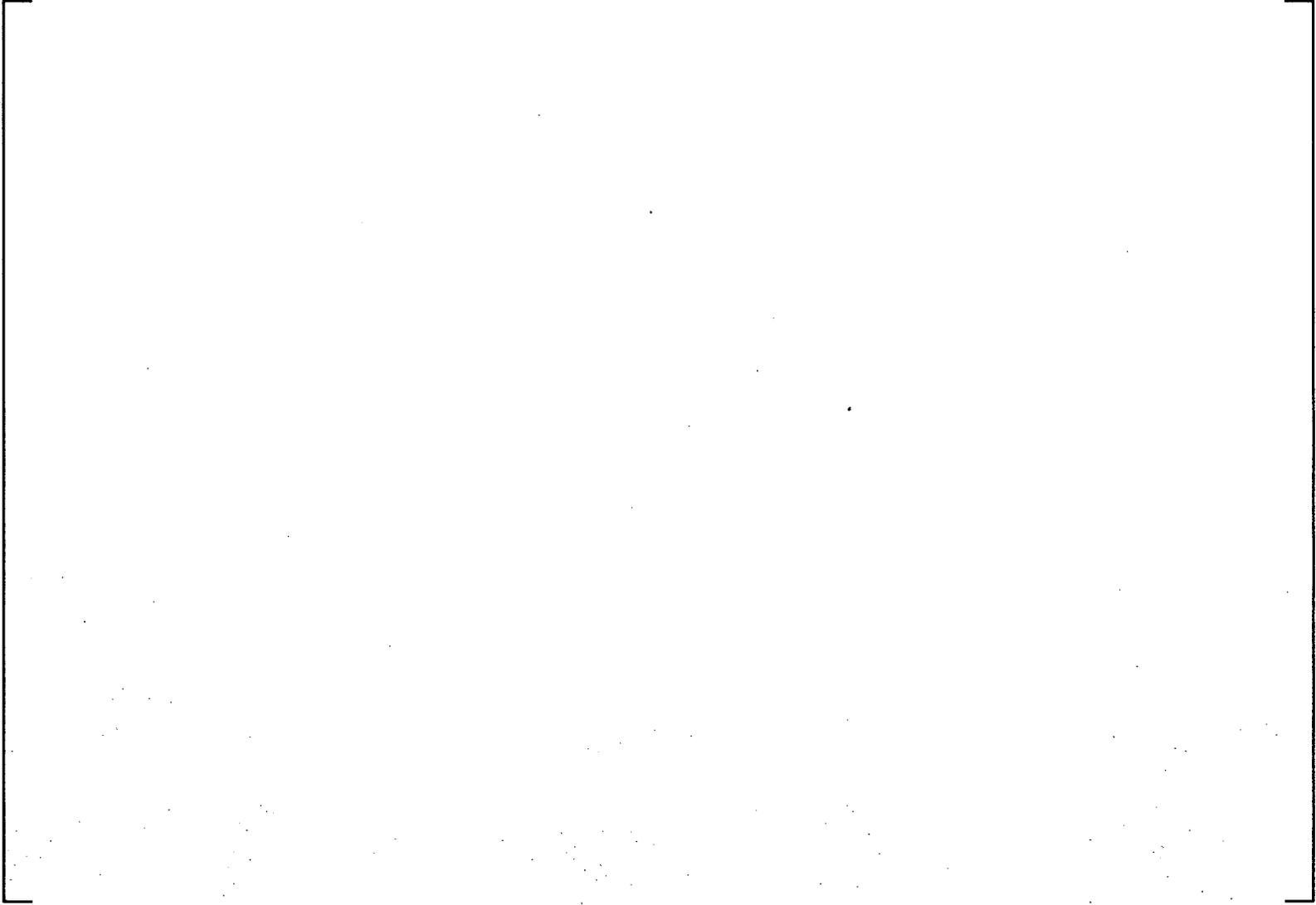
# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



# TESTING PROGRAM (OOP Shear & Flexural Behavior)

a, b, c



# TESTING PROGRAM (OOP Shear & Flexural Behavior)

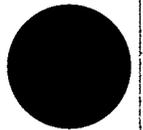
a, b, c



# TESTING PROGRAM (OOP Shear & Flexural Behavior)

Westinghouse Non-Proprietary Class 3

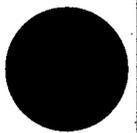
a, b, c

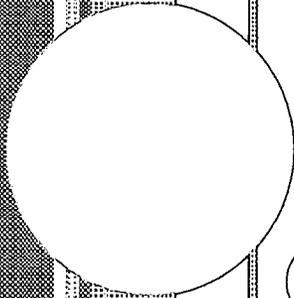


# TESTING PROGRAM

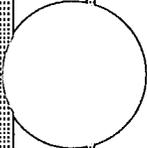
## (OOP Shear & Flexural Behavior)

a, b, c





# PART B

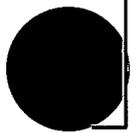


## OUT-OF-PLANE SHEAR BEHAVIOR (CYCLIC)



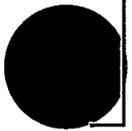
# TESTING PROGRAM (OOP Shear Behavior-Cyclic)

a, b, c



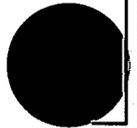
# TESTING PROGRAM (OOP Shear Behavior-Cyclic)

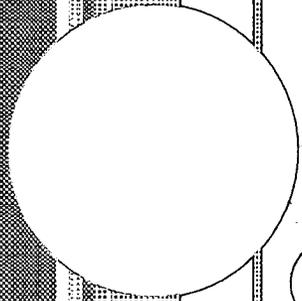
a, b, c



# TESTING PROGRAM (OOP Shear Behavior-Cyclic)

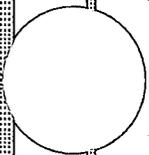
a, b, c





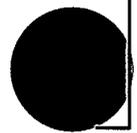
# PART C

OUT-OF-PLANE SHEAR + In-Plane Tension



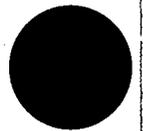
# TESTING PROGRAM (OOP Shear & In Plane Tension)

a, b, c



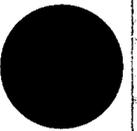
# TESTING PROGRAM (OOP Shear & In Plane Tension)

a, b, c



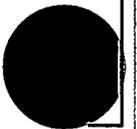
# TESTING PROGRAM (OOP Shear & In Plane Tension)

a, b, c



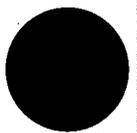
# TESTING PROGRAM (OOP Shear & In Plane Tension)

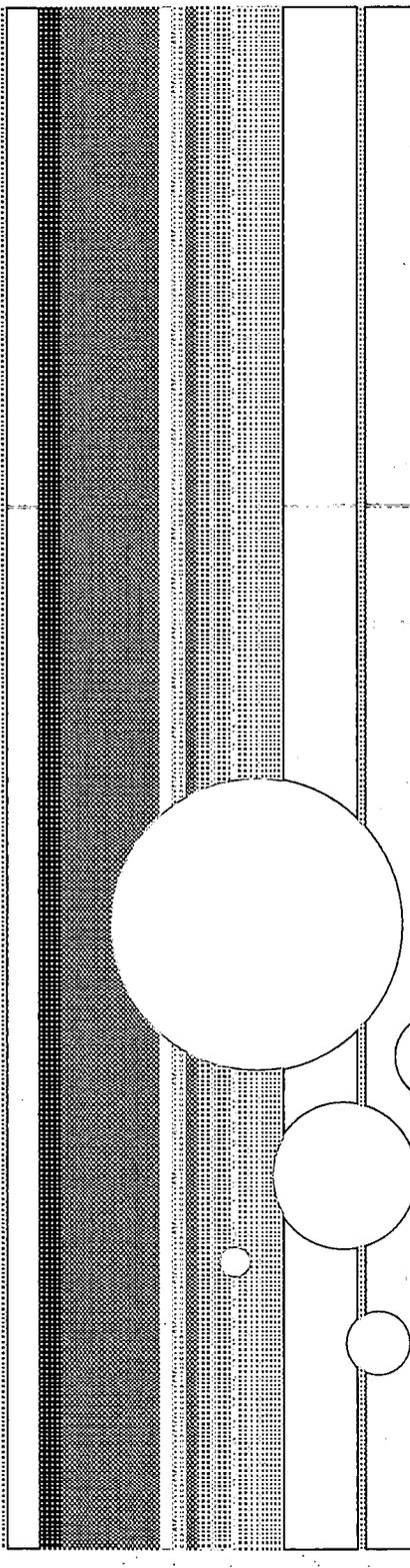
a, b, c



# SUMMARY OF TESTING PROGRAM (A, B, C)

a b c





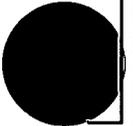
# ○ TESTING PROGRAM (PART D)

Slip or Push Out Test

# TESTING PROGRAM (Push Out Test)

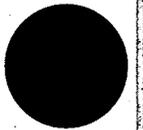


a, b, c



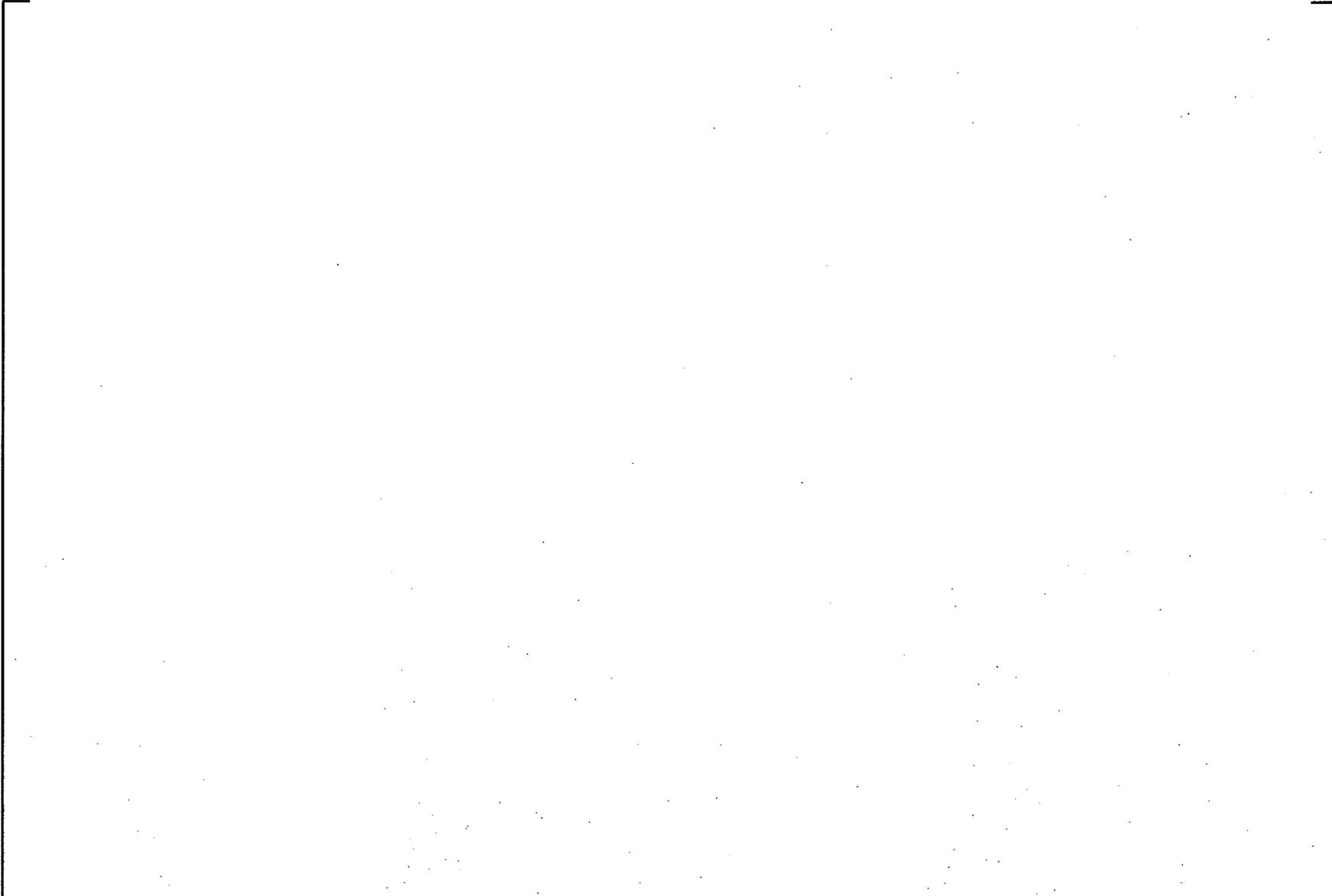
# TESTING PROGRAM (Push Out Test)

a, b, c



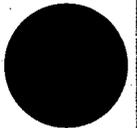
# TESTING PROGRAM (Push Out Test)

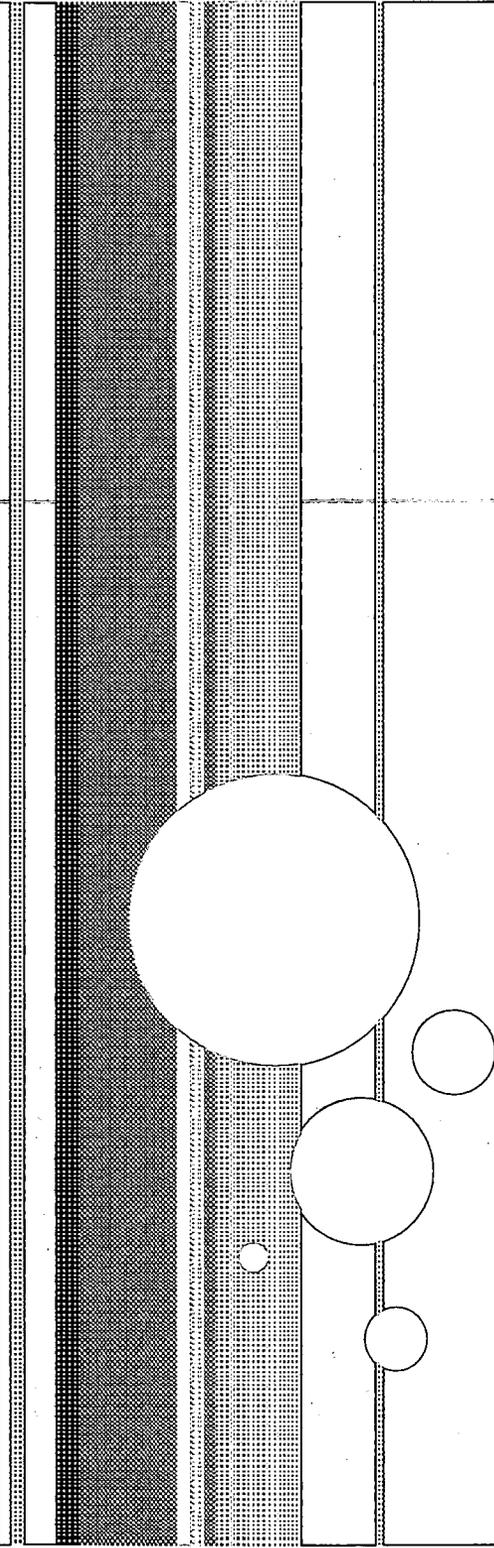
a, b, c



# TESTING PROGRAM (Push Out Test)

a, b, c



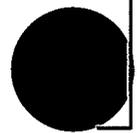


# ○ TESTING PROGRAM (PART E)

## Large Anchorage Specimen

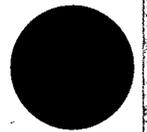
# TESTING PROGRAM (Large Anchorage)

a, b, c



# TESTING PROGRAM (Large Anchorage)

a, b, c



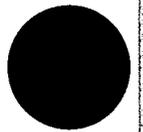
# TESTING PROGRAM (Large Anchorage)

a, b, c



# TESTING PROGRAM (Large Anchorage)

a, b, c



# TESTING PROGRAM (Large Anchorage)

a, b, c



# TESTING PROGRAM (Large Anchorage)

Westinghouse Non-Proprietary Class 3

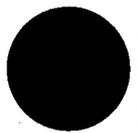
a, b, c



# TESTING PROGRAM (Large Anchorage)

Westinghouse Non-Proprietary Class 3

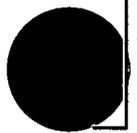
a, b, c



# TESTING PROGRAM (Large Anchorage)



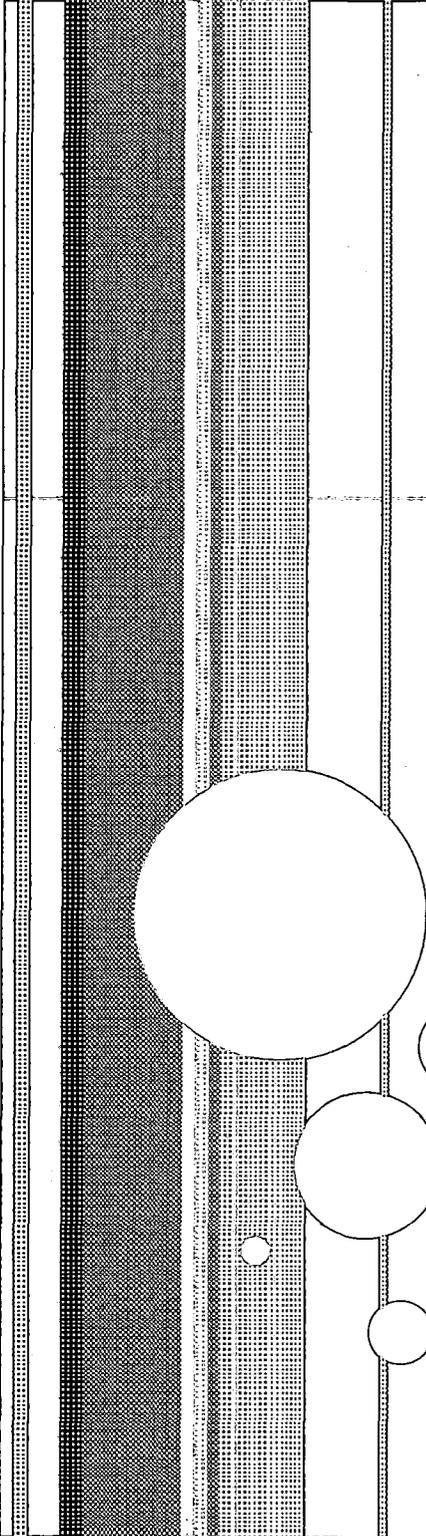
a, b, c



# TESTING PROGRAM (Large Anchorage)

a, b, c



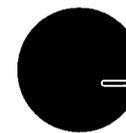


○ TESTING PROGRAM (PART F)

Mini Anchorage Tests

# TESTING PROGRAM (Mini Anchorage Test)

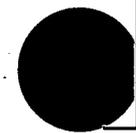
a, b, c



# TESTING PROGRAM (Mini Anchorage Test)



a, b, c



# TESTING PROGRAM (Mini Anchorage Test)

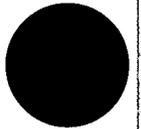
a, b, c



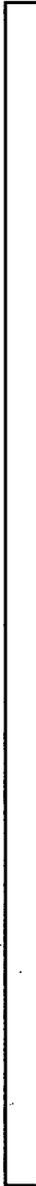
# TESTING PROGRAM (Mini-Anchorage Test) SPECIMEN DETAILS

Testinghouse Non-Proprietary Class

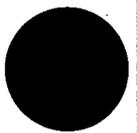
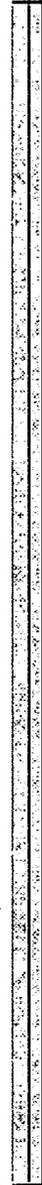
a, b, c



# TESTING PROGRAM (Mini Anchorage Test)



a, b, c



# TESTING PROGRAM (PART G)

a, b, c

