SCHEDULE NO. 1

1. **EQUIPMENT** — As specified in 34-17-14.

2. **MATERIALS**

Z635 Zinc-Magnesium Oxide Phosphor Suspension (or Z632 Zinc Oxide Suspension if permitted by construction data)
P69B 1-N Potassium Sulfate, Purified
* P264D 16% Potassium Silicate, Purified
W7K Distilled, W7J Distilled, or W60D Deionized Water
B610D Isobutyl Methacrylate Lacquer
H7 Hydrofluoric Acid

HYDROFLUORIC ACID SAFETY PRECAUTIONS: See 33-2-7A

3. **PROCEDURE**

a. Rinse bulbs with distilled or deionized water and allow to drain.
b. Paint face plate with B610D lacquer to form a protective layer on face plate surface.
c. Place bulbs on settling table in perpendicular position.
d. Measure the following materials into a 3-liter Florence flask. For 5 bulbs at 3.0 mg/cm.^{2} use:

	190 cc.	Z635 Suspension at 10 mg/cc.
*	400 cc.	Potassium Silicate*16%
	500 cc.	Potassium Sulfate, 1-N
*	1160 cc.	Distilled or Deionized Water
	2250 cc.	Total Settling Suspension

e. Shake flask vigorously and pour 450 cc. of above settling suspension into a graduate.
f. Add contents of graduate to bulb through an open-end funnel equipped with 325-mesh stainless steel strainer insert. Tip of funnel should extend just below bulb reference line.
g. Allow screen to settle at least 3 hours.
h. Pour off clear solution - pouring time 6-8 minutes.
i. Air dry screen 3-4 minutes.
j. Wash neck with 0.5-1.0% hydrofluoric acid.
k. Alternate bulb cleaning process see 34-17-4P.

End of Schedule #1

SCHEDULE NO. 2
(Initially for Tube Type 5AUP24)

1. **EQUIPMENT:** As specified in 34-17-14

2. **MATERIAL:**

	Z632A	Zinc Oxide Phosphor Suspension
*	P264D	16% Potassium Silicate
	P69B	1-N Potassium Sulfate
	W60D	Deionized Water
	B610D	Isobutyl Methacrylate Binder

3. **PROCEDURE:**

a. Rinse bulbs with deionized water and drain.
b. Paint face plate with B610D lacquer to form a protective layer on face plate surface.
c. Place bulbs on settling table in a perpendicular position.
d. Measure the following materials into a 3 liter Florence flask. For five bulbs at 6 mg/cm^2 use:

	186 cc	Z632A Suspension
*	220 cc	Potassium Silicate*16%
	595 cc	Potassium Sulfate, 1-N
*	1805 cc	Deionized Water
	2806 cc	Total Settling Suspension

e. Shake flask vigorously and pour 562 cc of suspension into a graduate.
f. While agitating to maintain suspension pour contents of graduate to bulb through an open-end funnel equipped with a 325 mesh stainless steel strainer insert.
g. Allow screen to settle 3 hours.
h. Pour off clear solution-pouring time 8-12 minutes.
i. Swab out inside of bulb with deionized water being careful not to touch the screen.
j. Air dry.

End of Schedule #2