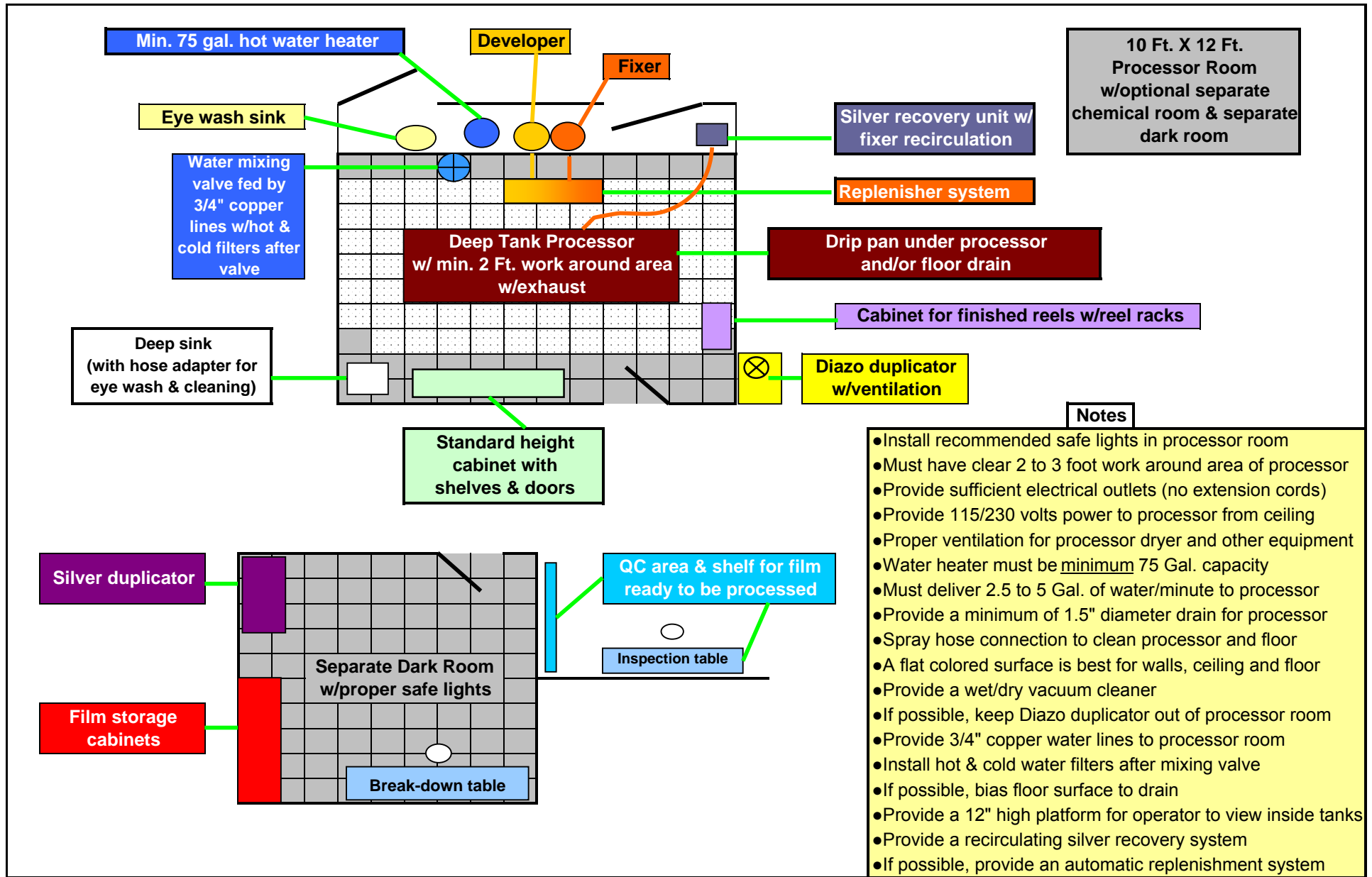


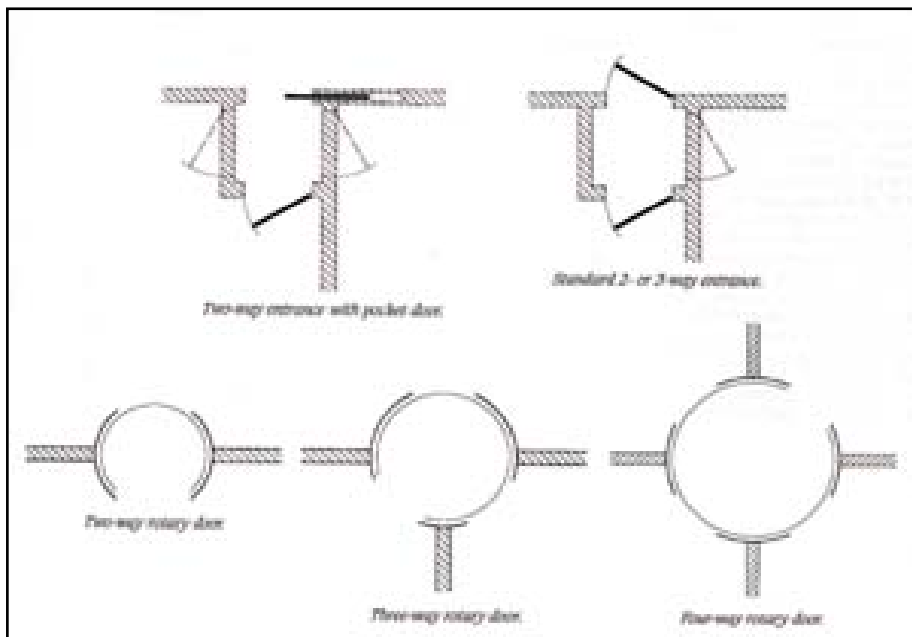
# IDEAL PROCESSOR ROOM CONFIGURATION WITH SEPARATE CHEMICAL AND DARK ROOMS



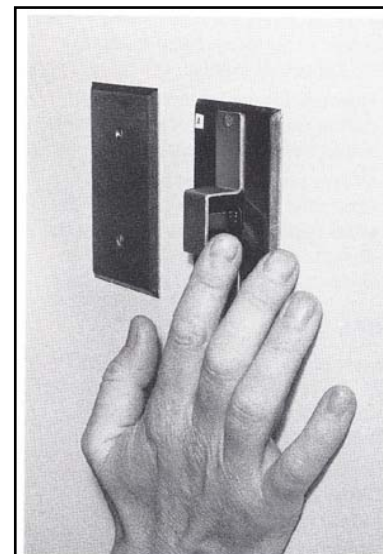
## RECOMMENDATIONS FOR NEW OR REDESIGNED LAB

| MANDATORY RECOMMENDATIONS  | SUGGESTED RECOMMENDATIONS   |
|--|---|
| Utilities for each processor & chemical management system. No extension cords & no lines on floor  | A Silver Recovery System with recirculation for fixer.  |
| Safety considerations, such as proper eye wash station, material safety data sheets, etc.  | A Sink with hot and cold water capabilities. Also, a spray hose to clean processor and floors.  |
| <b>A two to three-foot</b> work around area for each processor.  | To provide proper workflow, eliminate steps in room to increase efficiency  |
| Must deliver <b>2.5 to 5 Gal.</b> of water/min. to a single connection. Processor drain min. <b>1.5"</b> from drain trough. Water delivery lines of <b>1/4"</b> diameter copper pipe to insure proper flow to water tanks.                                     | A Drip pan for each processor.  |
| Processor Developer & Fixer filtration = <b>30</b> micron size filter, changed monthly   | Proper Filtration, Water = <b>5</b> micron size filter, Chemical = <b>30</b> micron size filter   |
| No more than 2 processors/one chemical management system. Minimum, a <b>75 Gal.</b> water heater. No more than 2 deep tank processors for each water mixing valve  | Ideally, one chemical management system per processor. Ideally, a <b>100 Gal.</b> water heater. One water mixing valve for each processor.  |
| Use chemical concentrate in <b>5 Gal.</b> cubes for developer and fixer requirements.  | Use chemical concentrate in <b>50 Gal.</b> drums for developer and fixer requirements.  |
| If there is adequate space for extra equipment it is recommended that only Silver Duplicators be installed in the Processing Lab room.   | Diazo (non-silver) duplicating equipment should be located in a separate room from the processing lab. This unit must have proper ventilation as ammonia and diazium salt gasses may be detrimental to silver halide microfilms |
| Proper room air ventilation for each processor dryer box, preferably vented to the outside.  | Paint ceilings and walls a flat color to eliminate glare and reflections. Cream or light beige.   |
| Proper safe lighting: <b>1.</b> Camera Negative films = Dark green filter w/ <b>7.5</b> Watt bulb; <b>2.</b> Silver Duplicating films = Red 1A filter w/ <b>7.5</b> Watt bulb. The safe light fixture must be a minimum of 6 to 8 feet above the work surface. | Table for rewind station & shelves for storage.   |
| Use water resistant paint on walls near sinks.   | Apply tile to the walls near sinks.   |
| Water/chemical resilient non-skid flooring material such as Thermoplastic Epoxy, Vinyl Tile, Ceramic Tile, Sheet Linoleum, Rubber Tile.  | Water/chemical resilient non-skid flooring material such as Asphalt Tile.   |



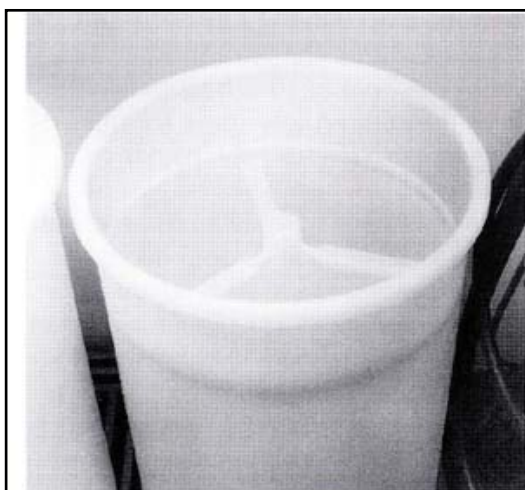


**LIGHT LOCKS FOR DARK ROOM ENTRY**



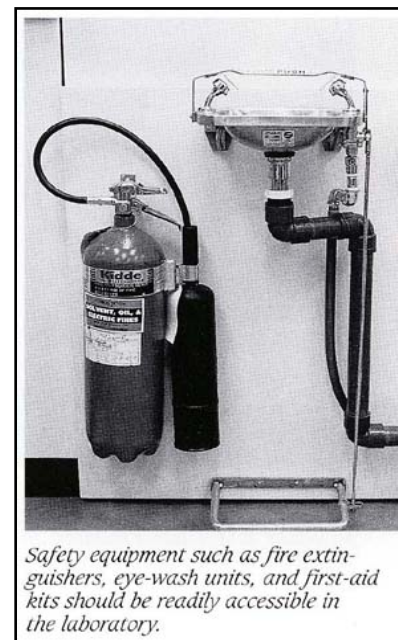
*Light switches equipped with a guard or locking plate are unlikely to be snapped on inadvertently in the darkroom.*

**DARK ROOM LIGHT SWITCH**



*Floating lids used on replenisher storage tanks reduce oxidation and contamination from dirt and other chemicals.*

**FLOATING LID FOR CHEMICAL REPLENISHER**



*Safety equipment such as fire extinguishers, eye-wash units, and first-aid kits should be readily accessible in the laboratory.*

**FIRE EXTINGUISHER & EYE-WASH**

## PROPER SAFE LIGHTS CHEMICAL DRUM SUPPLIES

- **RECOMMENDED KODAK SAFE LIGHT FILTERS & HOUSINGS**

| Filter Type    | Filter Size         | Catalog Number      |
|----------------|---------------------|---------------------|
| # 1 RED        | 5½" Diameter        | 152-1517            |
| # 1 RED        | 10" X 12" Rectangle | 152-1715            |
| # 3 DARK GREEN | 5½" Diameter        | 152-1533            |
| # 3 DARK GREEN | 10" X 12" Rectangle | 152-1731            |
| Filter Housing | 5½" Diameter        | 141-2212, Model "B" |
| Filter Housing | 10" X 12" Rectangle | 141-2261, Model "D" |

**Note:** Suggested Maximum white bulb wattage is 7.5 Watt.

Housing must be affixed 6 to 8 feet above the work surface to insure no fogging.

To Order in the USA Call: - **888-247-1234, U S Kodak Customer Service**

To Order in Canada Call: - **800-295-5490, Kodak Canada Customer Service**

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- **TO OBTAIN PUMPS & DOLLIES FOR 50 GALLON CHEMICAL DRUMS**

**Grainger Pumps, [www.grainger.com](http://www.grainger.com)**

Ryton Rotary Drum Pump, # **4P908**, Approximate Cost, \$130.00 (US)

Polypropylene Rotary Pump, # **1N417**, Approximate Cost, \$75.00 (US)

**VWR Scientific, [www.vwrscientific.com](http://www.vwrscientific.com)**

E.R. Wagner Drum Dolly, #**2W038**, Approximate Cost, \$53.00 (US)

T&S Drum Dolly, #**3KR53**, Approximate Cost, \$72.00 (US)

T&S Drum Caddie, #**3KR76**, Approximate Cost, \$85.00 (US)

Wheaton Drum Opener, #**66174-295**, Approximate Cost, \$14.00 (US)

**Lab Safety Supply 800-356-0783, [www.labsafety.com](http://www.labsafety.com)**

Ultra Drum Dolly Tray, #**29940**, Approximate Cost, \$84.15 (US)

Ultra Drum Dolly, #**29942**, Approximate Cost, \$127.35 (US)