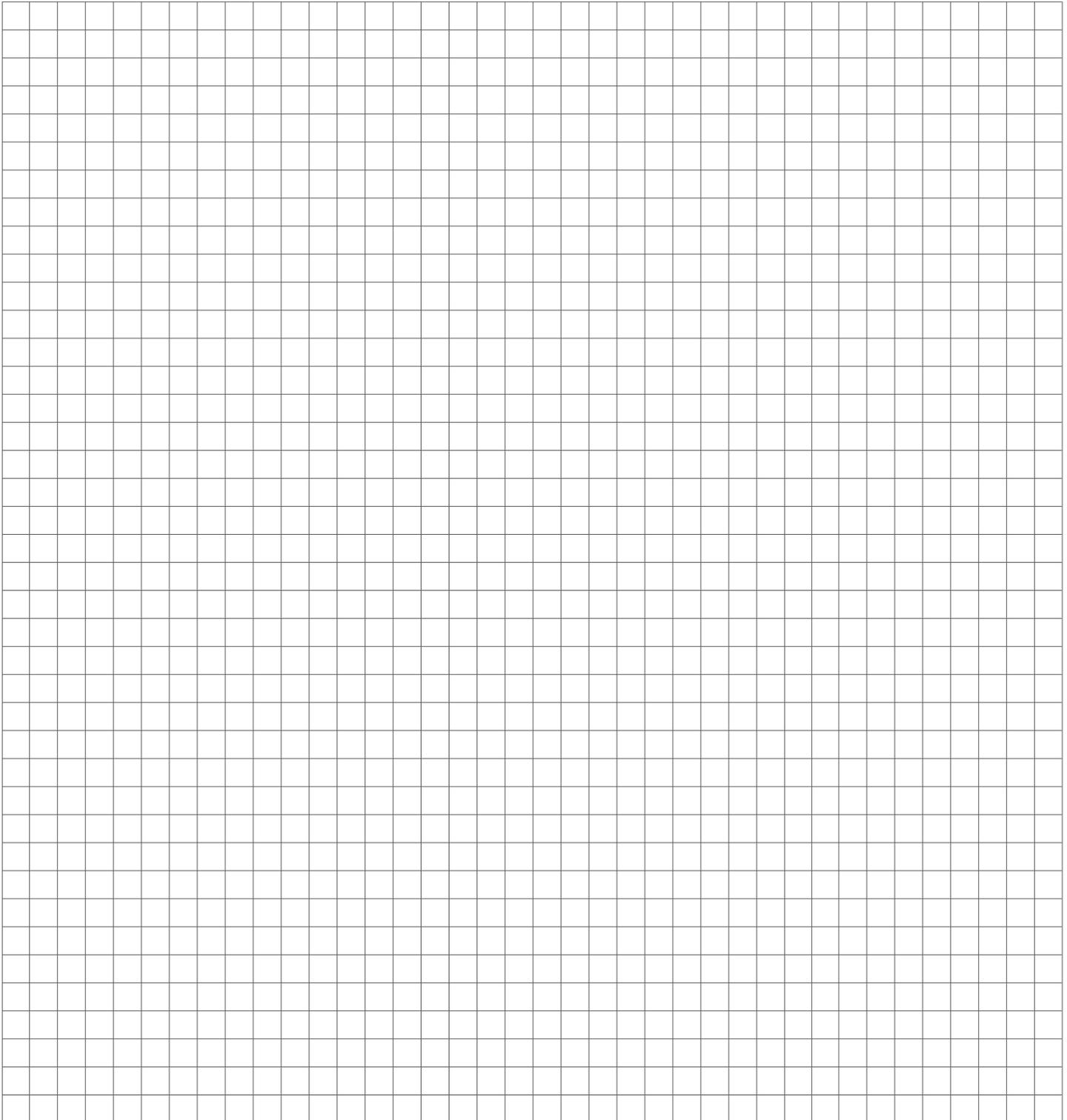


1 SQUARE = 1 SQ FT



# POND & FEATURE DESIGN GRID

## STEP 1: SIZING

a) Calculate your gallons:

$$L \times W \times \text{avg } D \times 7.5 = \text{Gallons}$$

\_\_\_\_\_ Gallons

b) Size Liner & Underlayment:

$$L + (2 \times \text{avg } D) + 2 = \text{Length} \quad W + (2 \times \text{avg } D) + 2 = \text{Width}$$

\_\_\_\_\_ W x \_\_\_\_\_ L Size

## STEP 2: CHOOSE YOUR PUMP

Choose a pump from our large selection based on the hints to the right and your gallons above.

\_\_\_\_\_ Pump

### Filtration Pump Hint:

Choose a pump that circulates your feature at least once an hour through the filtration system.

### Feature Pump Hint:

To have a natural looking effect, for every foot of width in your stream or waterfall you need a minimum of 1200 GPH. (For example, a 3' wide stream will require a minimum of 3600 GPH.)

## STEP 3: CHOOSE YOUR SKIMMER/VAULT

Choose your skimmer or vault based on the flow rate of your pump(s) and feature needs.

### Skimmers:

\_\_\_\_\_ SK2.5 < 2500 GPH (566131)

\_\_\_\_\_ SK5 < 5000 GPH (14940171)

\_\_\_\_\_ SK10 < 10000 GPH (14940172)

### Disappearing Basins:

\_\_\_\_\_ 36" (566517)

\_\_\_\_\_ 44" (566558)

### Vault:

\_\_\_\_\_ SF - Simply Falls (566410)

## STEP 4: CHOOSE YOUR FILTRATION SYSTEM

Choose your filtration system based on your gallons and organic load.

### Waterfall Filters:

\_\_\_\_\_ WF5 (571010) < 5000 GPH

\_\_\_\_\_ WF10 (571011) < 10000 GPH

## STEP 5: CHOOSE PLUMBING

Size the pipe based on the flow rate ensuring you do not exceed the maximum recommended flow rate.

### Length needed from skimmer to feature:

\_\_\_\_\_ feet of \_\_\_\_\_" Size

## ACCESSORIES

\_\_\_\_\_ Bottom Drain Kit

\_\_\_\_\_ Auto Fill Kit (566286)

\_\_\_\_\_ Lighting

\_\_\_\_\_ WaterFall Foam

\_\_\_\_\_ Extra Fittings

\_\_\_\_\_ Maintenance Items

\_\_\_\_\_ Backflush Kit  
BFK-M (14940321)

### Waterfall Weirs:

\_\_\_\_\_ SPW10 > 1000 GPH (517202)

\_\_\_\_\_ SPW18 > 4000 GPH (517203)

\_\_\_\_\_ WFW > 6000 GPH (566239)

### Plant Baskets:

\_\_\_\_\_ 9" - Round - (566553)

\_\_\_\_\_ 12" - Square - (566556)

### Low Water Pump Shut Offs:

\_\_\_\_\_ RS-5 - 115V - 18'  
Cord (566009)

\_\_\_\_\_ RFSN-16 - 115/230V -  
20' Cord (599211)

\_\_\_\_\_ RFSN-20 - 115/230V -  
20' Cord (599318)