



## MAJOR REMODEL WORKSHEET

**OFFICIAL USE ONLY:** FA: \_\_\_\_\_ PR: \_\_\_\_\_ SR: \_\_\_\_\_

### FACILITY INFORMATION

Facility Name: \_\_\_\_\_ Office/Mobile Phone: \_\_\_\_\_

Location: \_\_\_\_\_

Type of Pools:  Pool  Spa  Wading Pool  Other: \_\_\_\_\_

### CONTRACTOR INFORMATION

Company Name: \_\_\_\_\_ Office/Mobile Phone: \_\_\_\_\_

Company Address: \_\_\_\_\_

License #: \_\_\_\_\_ License Type:  C-53  D-35  Other: \_\_\_\_\_

### EXISTING POOL INFORMATION

Dimension: \_\_\_\_\_ Surface Area: \_\_\_\_\_ Volume: \_\_\_\_\_ Flow Rate: \_\_\_\_\_

	Brand	Model # / Name	HP	Flow Rate @ 60 TDH	Flow Rate @40 TDH	Maximum Flow Rate
Filter Pump(s)						
Jet Pump #1						
Jet Pump #2						
Filter(s)						
Chlorinator			gallons per day output			

Comments: \_\_\_\_\_

\_\_\_\_\_

## DRAINS AND COVERS

	Brand	Size	Sump	Flow Rate (Floor)	Flow Rate (Wall)	Expires (# of Years)
Main Drain Covers						
Skimmer Equalizer Covers						

Comment: \_\_\_\_\_

## POOL SURFACE

Material: \_\_\_\_\_ Color: \_\_\_\_\_

Comments: \_\_\_\_\_

## COPING AND TILES

	Manufacturer	Color	Size	How Many?
Coping				
Waterline Tiles				
Break in Slope Tiles at 4Ft 6 In				
Trim Tiles				
Depth Markers				
No Diving Tiles				

## HANDRAILS

	Manufacturer	Model #
Handrails (Shallow End)		
Grab Rails, Ladders (Deep End)		
Recess Wall Steps		

Comments: \_\_\_\_\_

## ENTRY STAIRS

Type of Stairs:  Rectangle/Square  Concave/Convex

Stair Threads: 1st step: \_\_\_\_\_ 2nd step: \_\_\_\_\_ 3rd step: \_\_\_\_\_

Stair Risers: 1st step: \_\_\_\_\_ 2nd step: \_\_\_\_\_ 3rd step: \_\_\_\_\_

Stair Width (>24"): \_\_\_\_\_ inches

Comments: \_\_\_\_\_

## OTHERS

Auto Fill System:  Existing  Install New  Not Applicable

ADA Lift:  Existing  Install New  Not Applicable If Existing:  Mobile  Permanently Mounted

Number of Returns: \_\_\_\_\_ Location of Returns: \_\_\_\_\_ inches below waterline

Comments: \_\_\_\_\_

# SUPPLEMENTAL WORKSHEET

## CALCULATION 1

### Surface Area Calculation:

Length (ft.) x Width (ft.) = Surface area (ft.<sup>2</sup>)

Length \_\_\_\_\_ x Width \_\_\_\_\_ = \_\_\_\_\_ ft.<sup>2</sup>

### Volume Calculation:

D<sub>1</sub>= Depth at deep end      D<sub>2</sub>= Depth at shallow end

Surface area (ft.<sup>2</sup>) x (D<sub>1</sub> + D<sub>2</sub>) / 2 x 7.5 gallons/cubic ft. = Volume of the pool (gallons)

Surface area \_\_\_\_\_ x (D<sub>1</sub> + D<sub>2</sub>) \_\_\_\_\_ / 2 x 7.5 = \_\_\_\_\_ gallons

## CALCULATION 2

### Pool Flow Rate Calculation:

Requires minimum 6 hours turnover rate

Volume of pool (gallons)/360 minutes = Pool Flow Rate (gallons/minutes)

Volume: \_\_\_\_\_ gallons/360 minutes= \_\_\_\_\_ gpm

### Spa Flow Rate Calculation:

Requires minimum 30 minutes turnover rate

Volume of spa (gallons)/30 minutes = Spa Flow Rate (gallons/minutes)

Volume: \_\_\_\_\_ gallons/30 minutes= \_\_\_\_\_ gpm

### Wading Pool Flow Rate Calculation:

Requires minimum 1 hour turnover rate

Volume of Wading pool (gallons)/60 minutes = Wading Pool Flow Rate (gallons/minutes)

Volume: \_\_\_\_\_ gallons/60 minutes= \_\_\_\_\_ gpm

### Pool Flow Rate Calculation

#### Example:

Pool volume: 36,000 gallons  
36,000 gallons/360 minutes  
= 100 (gallons/minutes)

### Spa Flow Rate Calculation

#### Example:

Spa volume: 1,200 gallons  
1,200 gallons/30 minutes = 40  
(gallons/minutes)

### Wading Pool Flow Rate

#### Calculation Example:

Wading pool volume: 1800 gallons  
1800 gallons/60 minutes  
=30 (gallons/minutes)

## CALCULATION 3

### Return Inlet Requirements:

1-10,000 gallons of water = minimum of 2 inlets

10,001 - 20,000 gallons of water = 3 inlets

20,001 - 30,000 gallons of water = 4 inlets

Note: For every increment (of) 10,000 gallons of water, add an additional inlet.

## CALCULATION 4

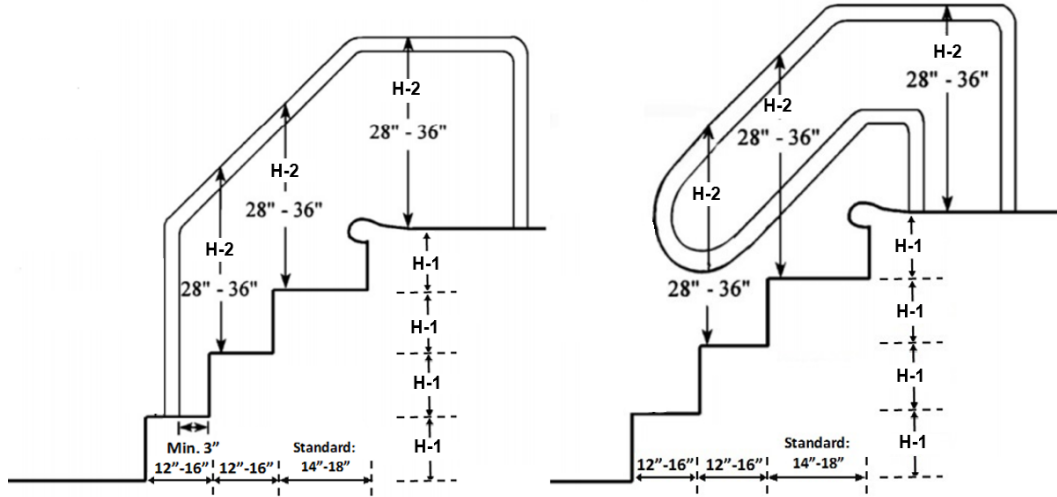
### Chlorinator Calculation:

3lbs. Chlorine x Volume of Pool (gallons)/10,000 gallons/day = Required chlorine (lbs./day)

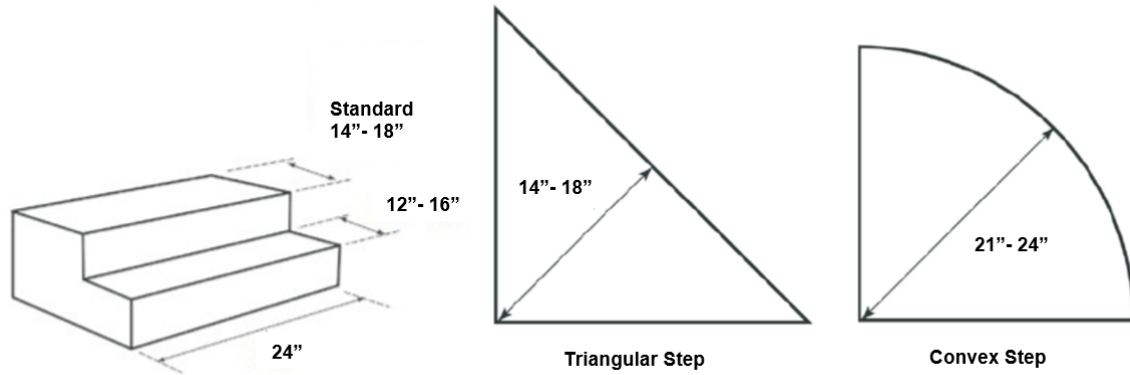
\_\_\_\_\_ x \_\_\_\_\_ /10,000 = \_\_\_\_\_ (lbs./day)

# ENTRY HANDRAIL (3 Bend)

H = Equal Height 6" - 12"



# ENTRY STAIRS



DIMENSIONS	T-1 STANDARD	T-1 TRIANGULAR, CONCAVE, CONVEX	T-2	T-3	W-1	H-1	H-2
Minimum	14"	21"	12"	3"	24"	6"	28"
Maximum	18"	24"	16"	---	---	12"	36"