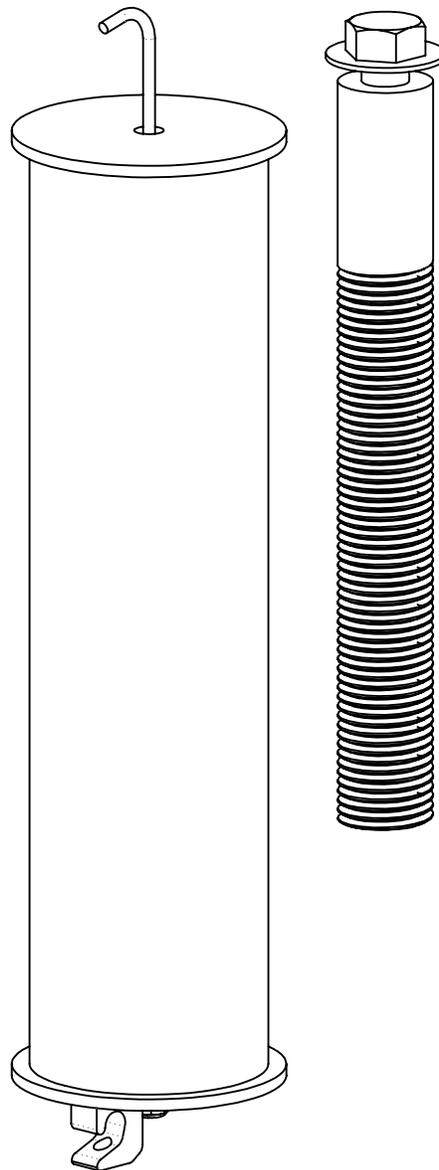




# INSTALLATION & OPERATION MANUAL

MODEL: PAVER ANCHOR 1.90"X10.00" - W/KIT(FG)

CATALOG #: F-808SA-10





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## IMPORTANT SAFETY INFORMATION



### Safety & Installation Instructions

When installing this product, always follow basic safety precautions, including the following:

#### READ ALL INSTRUCTIONS BEFORE USE

**WARNING** – To Reduce the Risk of Injury: Children and individuals with reduced physical, sensory, or mental capabilities, or those lacking experience or knowledge, should not use this product unless closely supervised or instructed by a responsible person.

#### Electrical Safety:

A wire connector is provided to connect a minimum 8 AWG (8.4 mm<sup>2</sup>) solid copper conductor between this unit and the equipotential bonding system.

#### Maintenance & Inspection:

Periodically check the appliance for signs of wear or deterioration. Ensure all nuts, bolts, and screws are tightened to maintain safe operation.

#### Signage Requirement:

Affix the provided "ADA POOL/SPA LIFT" sign in a location that remains visible from the appliance at all times.

#### Battery Safety:

Remove rechargeable batteries from the appliance before charging. Install batteries with the correct polarity. If the appliance will be unused for an extended period, remove the batteries and store them on the wall-mounted charger to maintain their charge. DO NOT short-circuit the supply terminals.

### REDUCE THE RISK OF DROWNING:

- Never swim alone.
- Do not use the appliance to enter an empty pool.
- Do not spray water directly onto the electronics.
- Do not allow children to play on or around the appliance. Supervise children at all times.
- DO NOT jump or dive from this appliance.

Seat may become hot; use caution when sitting. Keep the appliance covered when not in use. Inspect and clean before each use.

#### READ CAREFULLY BEFORE INSTALLATION:

Inspect the entire box and packing materials for all necessary parts. Before assembly, carefully read the instructions and verify all parts using the provided diagrams and parts list. Inspect all components for damage before installation. If any damage occurred during shipping, notify Aqua Creek Products LLC within three (3) days of receipt. Proper installation is critical. Improper installation will void the Aqua Creek warranty and may compromise user safety.

FOR INDOOR OR OUTDOOR USE

## ADA REQUIREMENTS FOR POOL LIFTS\* (US ONLY)

### 1009.2.1 Pool Lift Location

Pool lift shall be located where the water level does not exceed 48". If entire pool water level exceeds 48", place pool lift where convenient.

### 1009.2.2 Seat Location

In the raised position, the centerline of the seat shall be located over the deck a minimum of 16" from the edge of the pool.

### 1009.2.3 Clear Deck Space

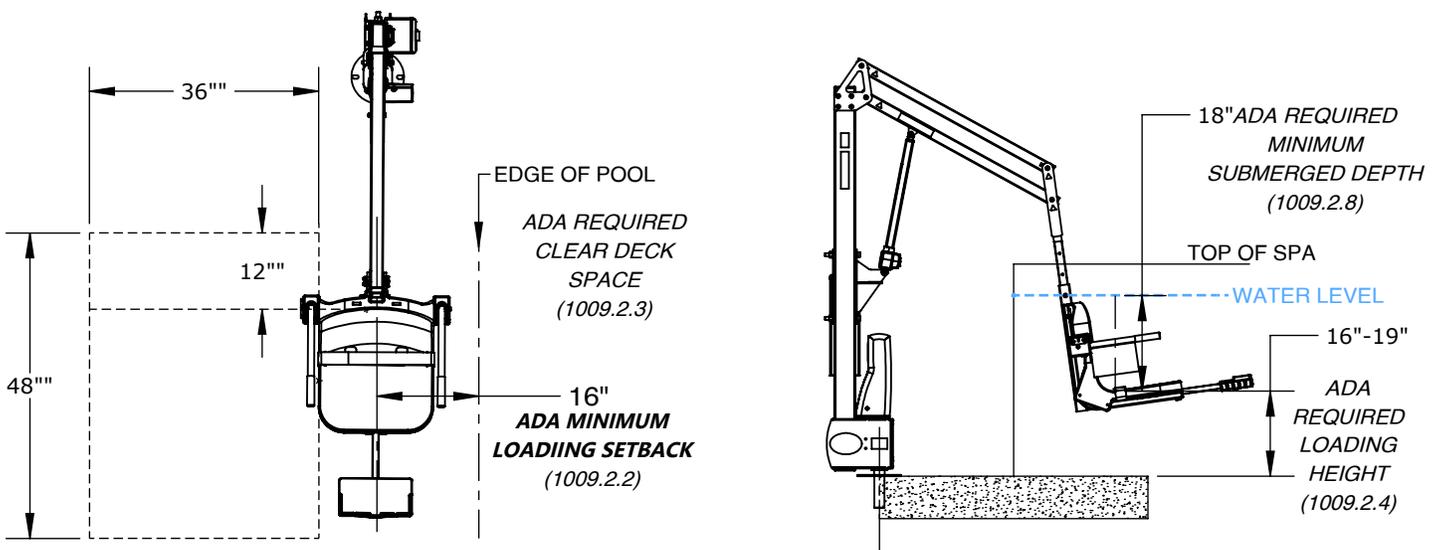
On the side of the seat opposite the water; a clear deck space shall be provided parallel with the seat. The space shall be 36" wide minimum and shall extend forward 48" minimum from a line located 12" behind the rear edge of the seat.

### 1009.2.4 Seat Height

The lift shall stop at 16" - 19" measured from the deck to the top of the seat surface when in the loading position.

### 1009.2.8 Submerged Depth

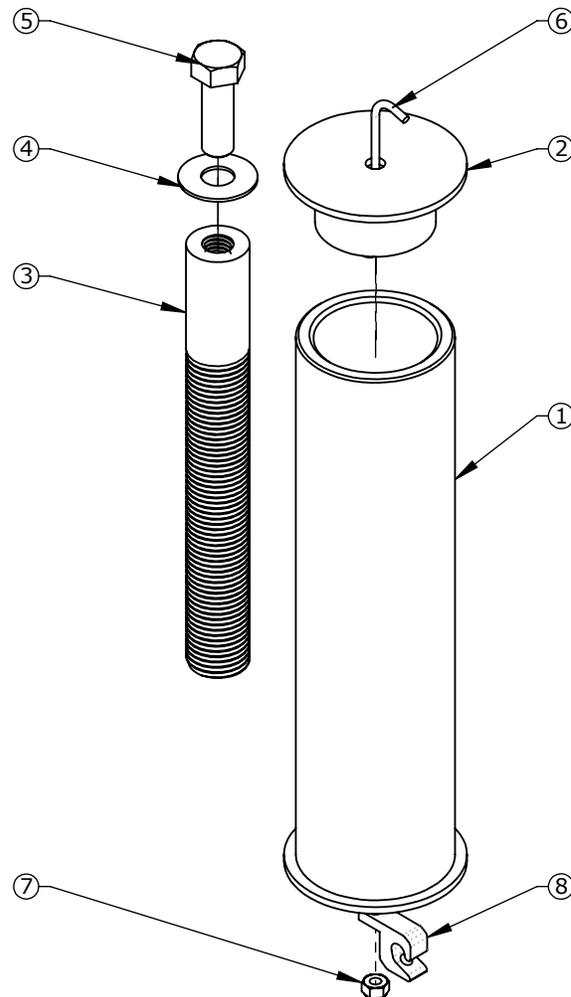
The lift shall submerge the seat a minimum of 18" below the stationary water level



\*Compliance with ADA is the responsibility of the pool owner. Visit [www.ada.gov](http://www.ada.gov) for complete guidelines.

# PRODUCT COMPONENTS/ REPLACEMENT PARTS

ANCHOR - 1.90"X10.00" - W/KIT - INV01495					
ITEM	PART NO.	QTY.	REV.	DESCRIPTION	MATERIAL
1	INV02992	1	1	WELDMENT - PAVER ANCHOR 1.90"X10.00"	304 STAINLESS STEEL
2	INV01644	1	1	WELDMENT - ANCHOR CAP - 1.90"	304 STAINLESS STEEL
3	INV00817	1	1	PART - ANCHOR INSERT - 1.00" X 8.00"	ROUND BAR - 1.00" PVC RND. BAR (GRAY)
4	INV01169	1	-	WF - 1/2" FLAT WASHER	316 STAINLESS STEEL
5	INV00388	1	-	BH - 1/2"-13X1 1/2" HEX HEAD BOLT	316 STAINLESS STEEL
6	INV01512	1	-	PART - ANCHOR CAP - REMOVAL TOOL	1/8" 304 S.S. RND. BAR
7	INV00736	1	-	NN - #10-24 NYLOCK NUT	316 STAINLESS STEEL
8	INV00608	1	-	ANCHOR - BONDING LUG	COPPER



# ANCHOR INSTALLATION/CORE DRILL

**NOTE:** Your local codes may require one or more permits. Check your local building codes for the proper permit requirements.

## TOOLS REQUIRED:

- HAMMER DRILL
- CONCRETE MARKING PEN/SPRAY
- 3" X 10" DIAMOND CORE DRILL BIT
- AIR NOZZLE & PUMP/COMP.
- 1" X 10" CARBIDE TIPPED MASONRY DRILL BIT
- VACUUM
- HEAT GUN (OPTIONAL)
- EPOXY (ANCHOR ADHESIVE)
- MASKING TAPE

**PREPARE THE ANCHOR LOCATION:** Using the ADA guidelines on page 3, mark the center of the anchor location on your deck. Center the jig plate over the marked location. (Sold separately) Trace the outline of the center anchor hole and all applicable anchor holes.

## DRILLING INSTRUCTIONS:

**STEP 1A.** Using a 3" diameter core-drill bit, drill a 3" diameter hole at the main anchor location. Make sure to keep the bit square to the deck. Drill straight down to a depth of at least 11" minimum.

**STEP 1B.** Using a 1" diameter masonry drill bit, drill a 1" diameter hole for ALL applicable setting anchor locations. Make sure to keep the bit square to the deck. Drill straight down to a depth of at least 8" minimum. **(NOTE: Create a depth marker on the drill bit with black electrical tape to make sure you drill to the right depth. Should you drill through the concrete before reaching your minimum depth, a new slab form is required. Please refer to the saw-cut installation instructions.)**

**All required holes must be drilled prior to the next step.**

**STEP 2.** BLOW- remove dust from holes with oil-free compressed air for a minimum of two seconds. BRUSH- Clean out the holes with a steel wire brush. BLOW- remove dust from holes with oil-free compressed air for a minimum of two seconds. Vacuum- Use vacuum to extract any residue debris. **(NOTE: A heat-gun may be helpful in drying out the hole if applicable.)**

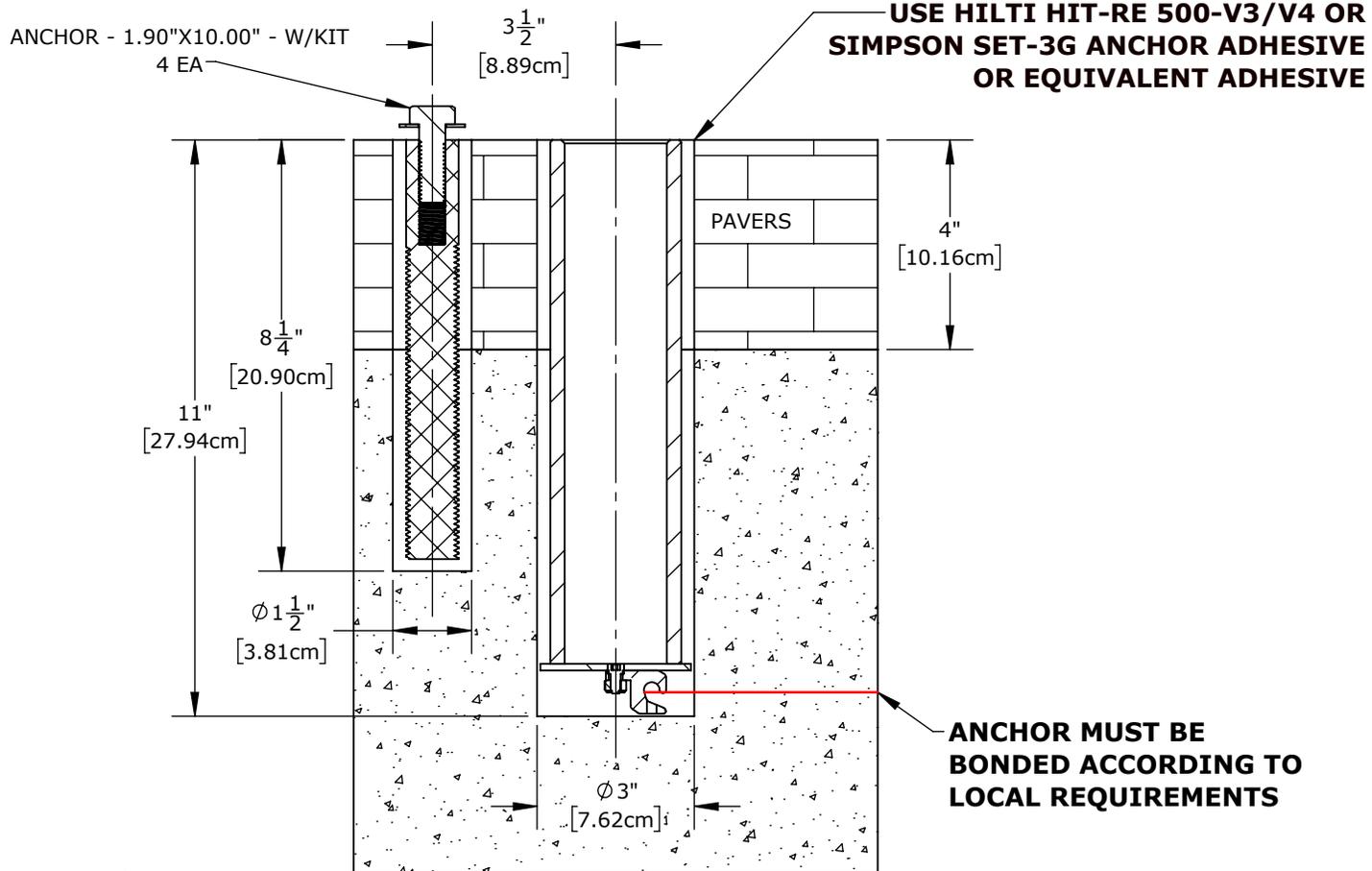
**STEP 3.** Place the 3" x 10" anchor into the hole and perform a "dry fit" to ensure the anchor sits flush and plumb with the finished deck surface. Adjust the hole as needed. Repeat this process for the 1" x 8" setting anchor. Remove both anchors prior to next step. **(NOTE: Pool decks with pavers or thick tiles may require other anchor options. Contact Aqua Creek Products.)**

**STEP 4.** Inject epoxy adhesive into both anchor holes until the hole is 1/3 to 1/2 full. Starting from bottom of hole to prevent air pockets. Withdraw adhesive nozzle as hole fills up. **(NOTE: We recommend using masking tape around the top of the anchor so that no epoxy gets inside the anchor. \*Do not use epoxy for the drop in anchor hole.)**

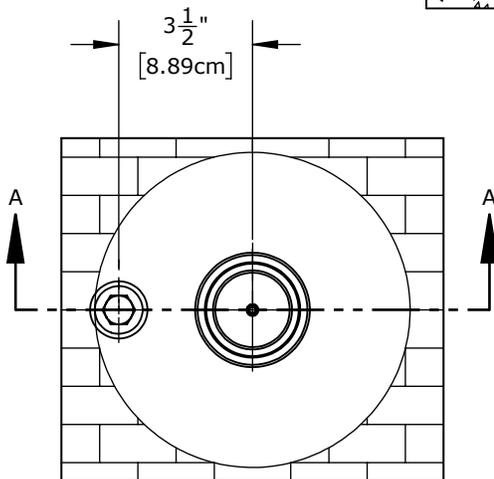
**STEP 5.** Insert clean, oil-free 3" x 10" anchor into the epoxy-filled hole, slowly pushing it down while twisting back and forth to evenly distribute the epoxy around the anchor, until it is flush with the finished deck surface. Immediately clean off any excess epoxy. Adjust the anchor as needed to make sure it is flush and plumb with the deck surface. Repeat this process for the 1" x 8" setting anchor. **(NOTE: refer to epoxy manufacturers' cure schedule instructions.)**

**STEP 6.** Do not disturb anchors for at least 24 hours before installing the lift.

# CORE DRILL RETRO-FIT



**ANCHOR - SECTION VIEW**

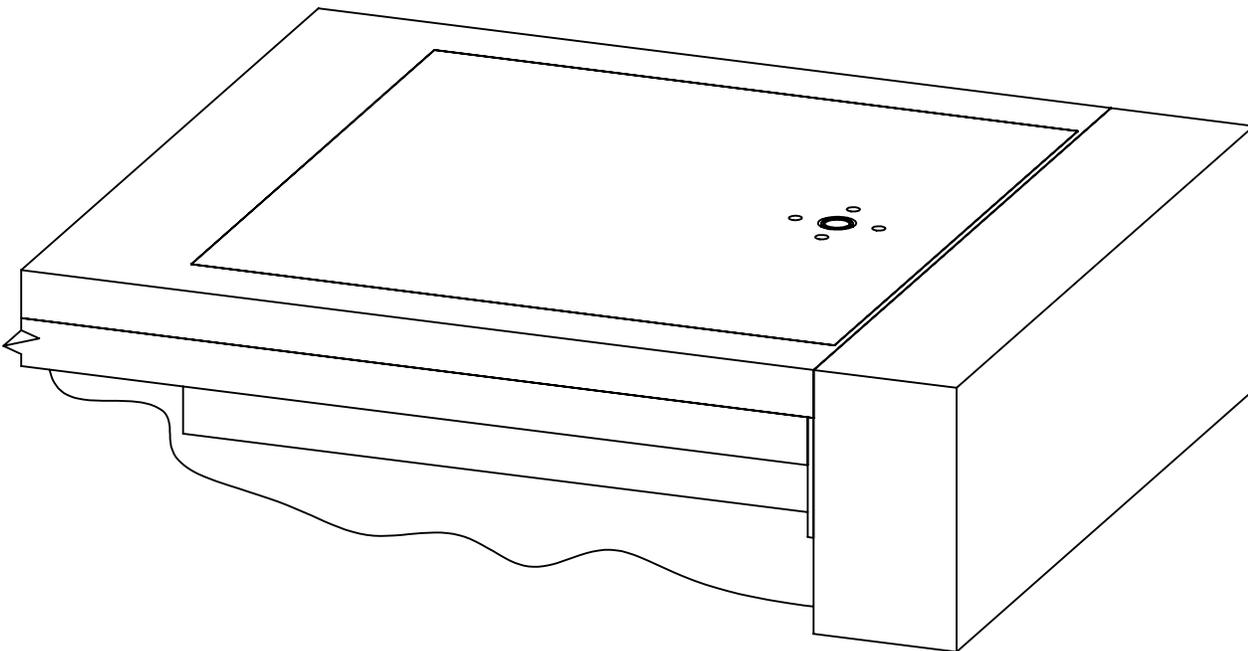


**TOP VIEW**

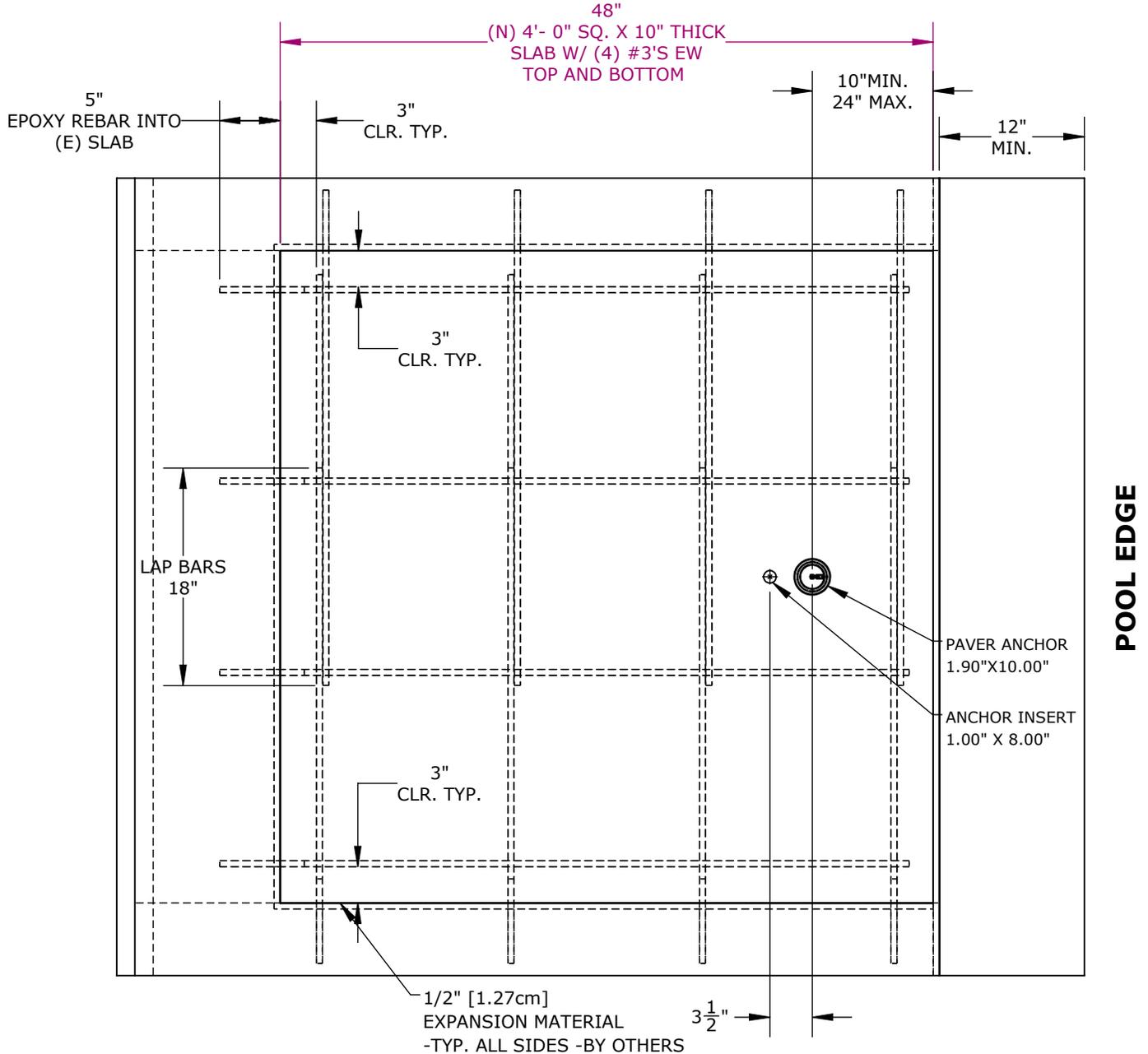
1. Drill a 3in. diameter hole at the anchor location down to a depth of at least 11in. minimum.
2. Fixing anchor to be placed 3 1/2 in. from the center point of main anchor.
3. Drill a 1 1/2in diameter hole at the measured setback of 3 1/2in mark, to a depth of at least 8 1/4in.

## SAW CUT RETRO-FIT / NEW CONSTRUCTION

- 1. MASK THE BOTTOM HOLE OF THE ANCHOR SLEEVE TO PREVENT CONCRETE FROM SEEPING IN.**
- 2. INSTALL REBAR IN THE SECTION OF THE DECK THAT WILL BE THICKENED TO 10". SEE SAW-CUT RETRO-FIT/NEW CONSTRUCTION FOR YOUR SPECIFIC LIFT.**
- 3. SET THE BRONZE ANCHOR SLEEVE IN PLACE. MAKE SURE THE CENTER OF THE ANCHOR SLEEVE IS NO MORE THAN 44" FROM THE POOL'S EDGE. SET THE FIXING ANCHOR INSERT 3 1/2" FROM THE CENTER OF THE ANCHOR SLEEVE. FIXING ANCHOR MAY BE LOCATED ANYWHERE ON THE DECK, AS LONG AS IT IS 3 1/2" FROM THE CENTER OF THE ANCHOR SLEEVE.**
- 4. BOND THE ANCHOR SLEEVE ACCORDING TO YOUR LOCAL CODE REQUIREMENTS BY USING THE BONDING LUG AND BONDING SCREW ON THE SIDE OF THE ANCHOR SLEEVE.**
- 5. POUR YOUR CONCRETE AND FINISH THE POOL DECK SURFACE.**
- 6. ONCE THE CONCRETE HAS CURED, YOUR LIFT IS READY TO BE MOUNTED INTO THE ANCHOR SLEEVE.**



# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION



**NOTES:**

1. SIM FOR NEW CONSTRUCTION AND STAND ALONE SYSTEM.
2. MINIMUM CONCRETE STRENGTH OF 4500 PSI, w/c=0.45, W/(4) #3's EW AT TOP AND BOTTOM
3. USE SIMPSON SET-3G, HILTI HIT-RE 500-V3/V4, OR APPROVED ALTERNATIVE EPOXY FOR REBAR

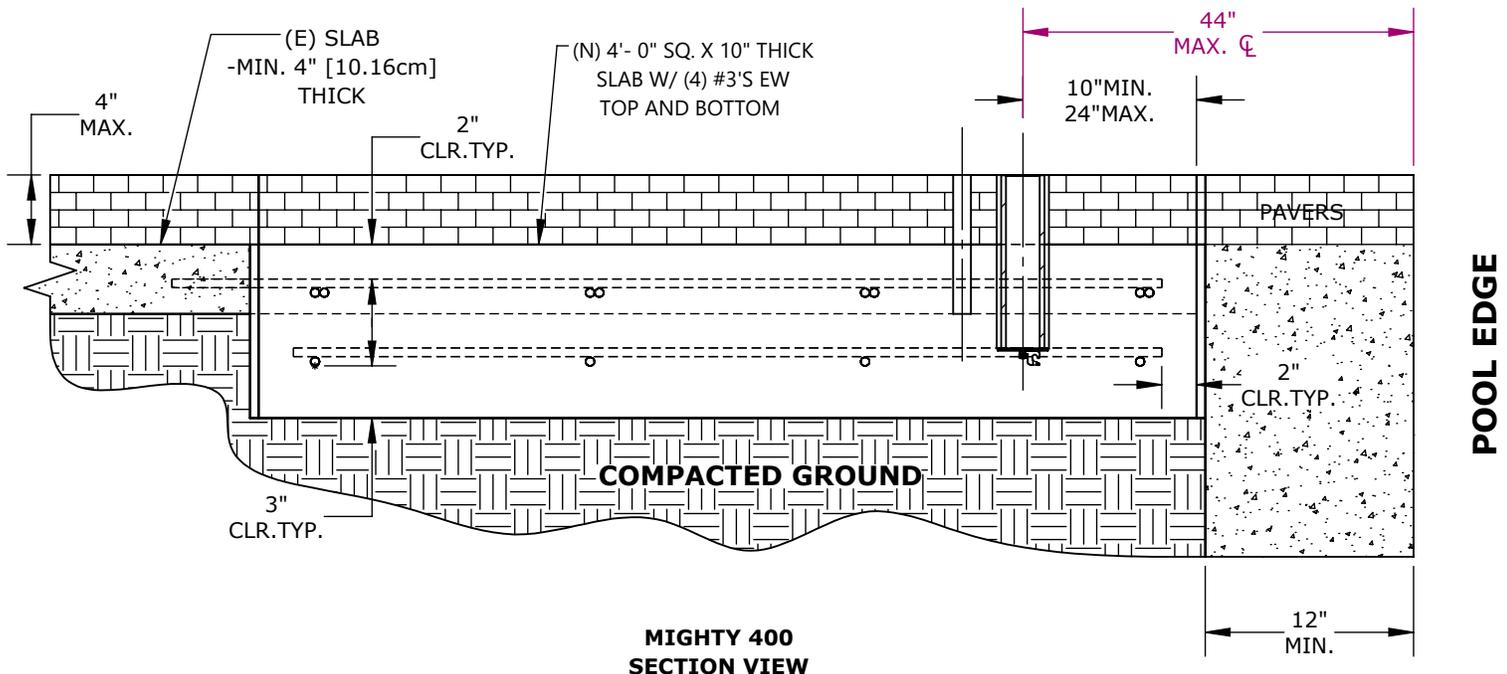
# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION

## MIGHTY 400 APPLICATION

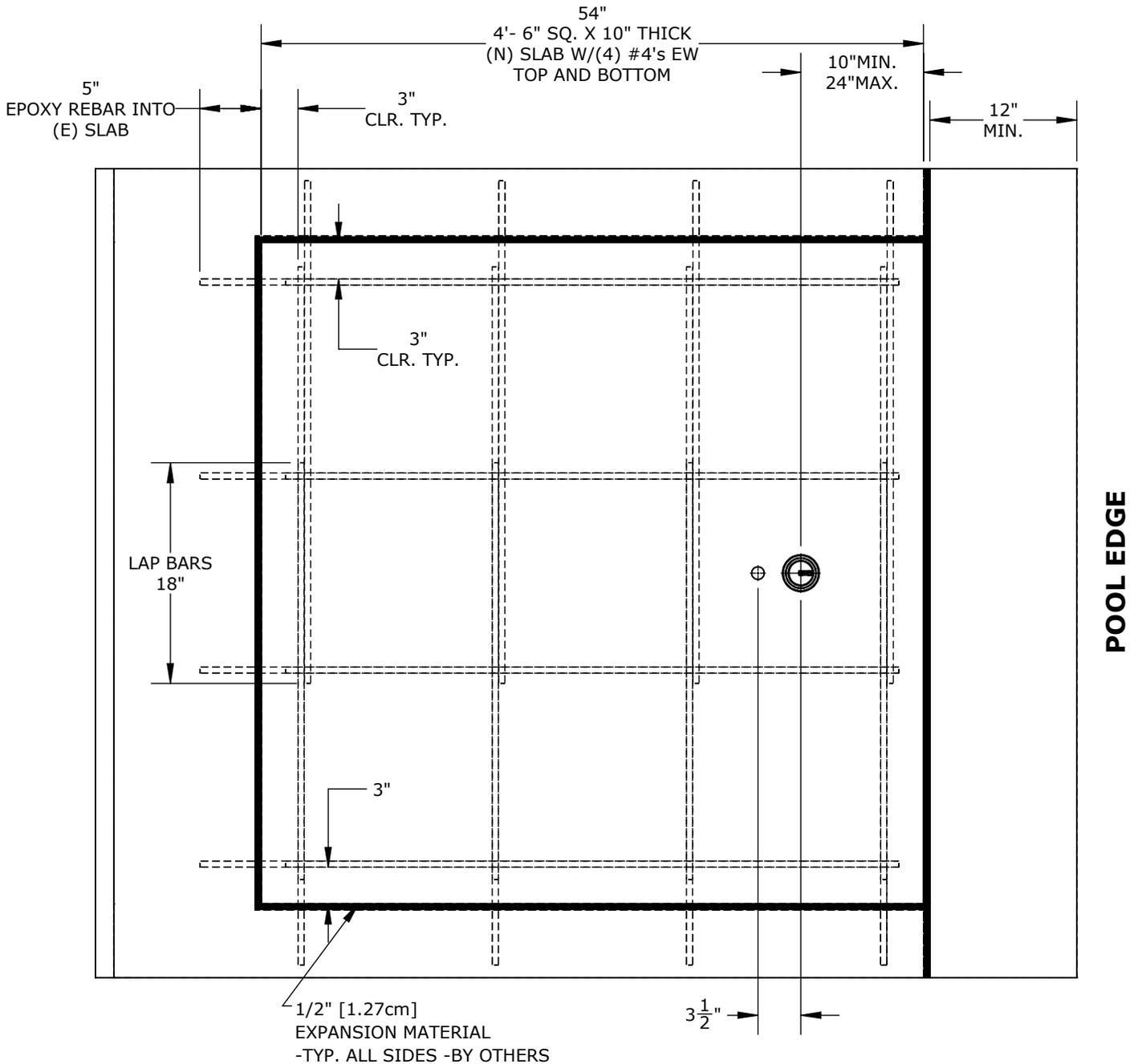
### YOUR DECK MUST HAVE:

- MIN. FOOTING SIZE: 4' X 4' X 10" THICK
- MIN. CONCRETE STRENGTH: 4500 PSI, w/c=0.45
- RFT: #3 REBAR @ 14 5/16" ON CENTER (O.C.)

(SEE MIGHTY 400 SAW-RETRO FIT/NEW CONSTRUCTION  
FOR ANCHOR PLACEMENT)



# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION



**NOTES:**

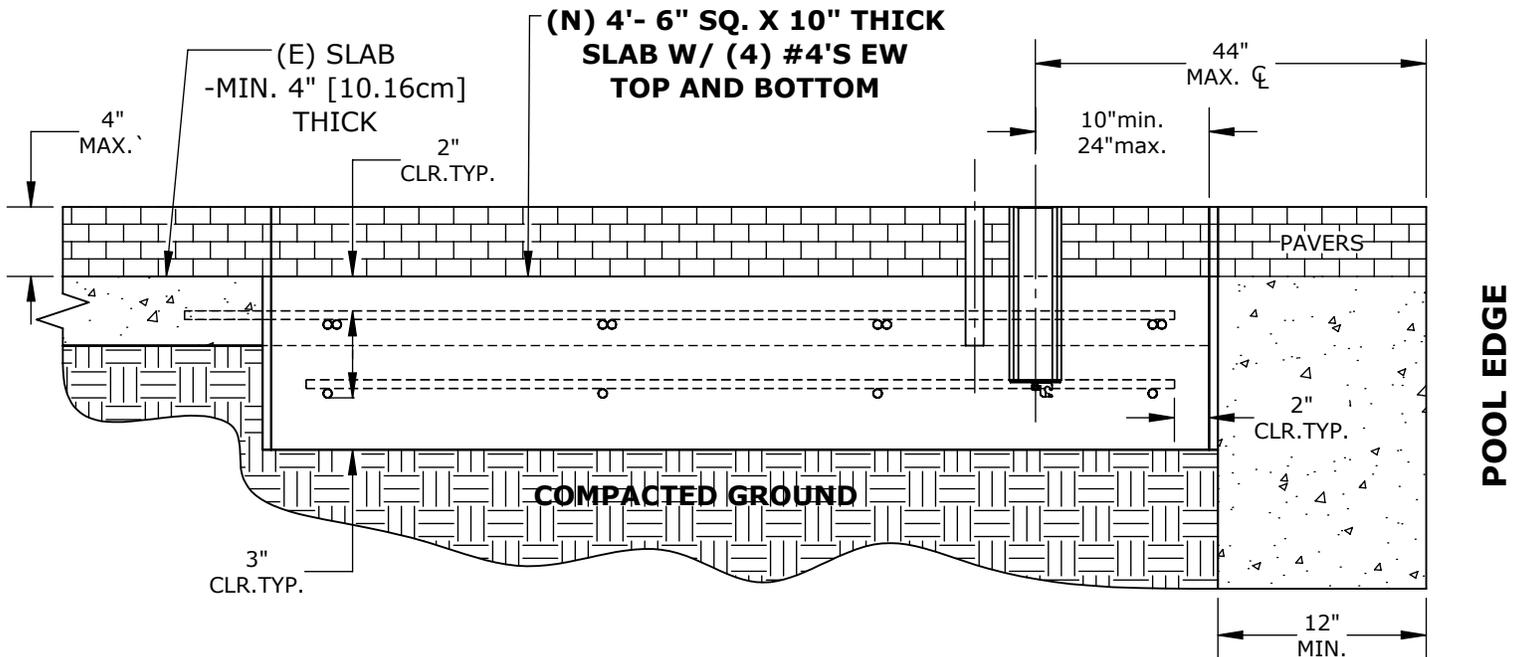
1. SIM FOR NEW CONSTRUCTION AND STAND ALONE SYSTEM.
2. MINIMUM CONCRETE STRENGTH OF 4500 PSI, w/c=0.45, W/(4) #4's EW AT TOP AND BOTTOM
3. USE SIMPSON SET-3G, HILTI HIT-RE 500-V3/V4, OR APPROVED ALTERNATIVE EPOXY FOR REBAR

# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION

## YOUR DECK MUST HAVE:

- MIN. 4'- 6" x 4'- 6" x 10" THICK
- MIN. CONCRETE STRENGTH: 4500 PSI, w/c=0.45
- RFT: #4 REBAR @ 16 5/16" ON CENTER (O.C.)

(SEE MIGHTY 600 SAW-RETRO FIT/NEW CONSTRUCTION  
FOR ANCHOR PLACEMENT)



**MIGHTY 600  
SECTION VIEW**

**POOL EDGE**

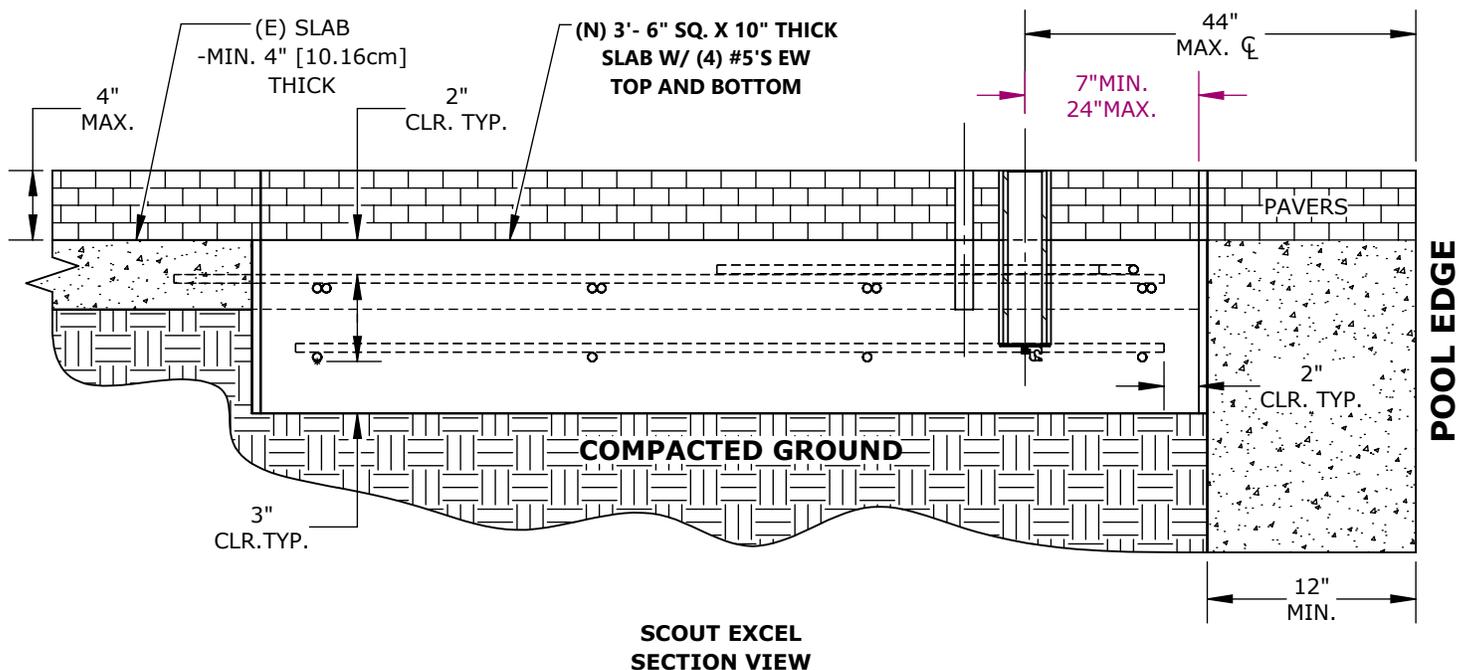


## SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION

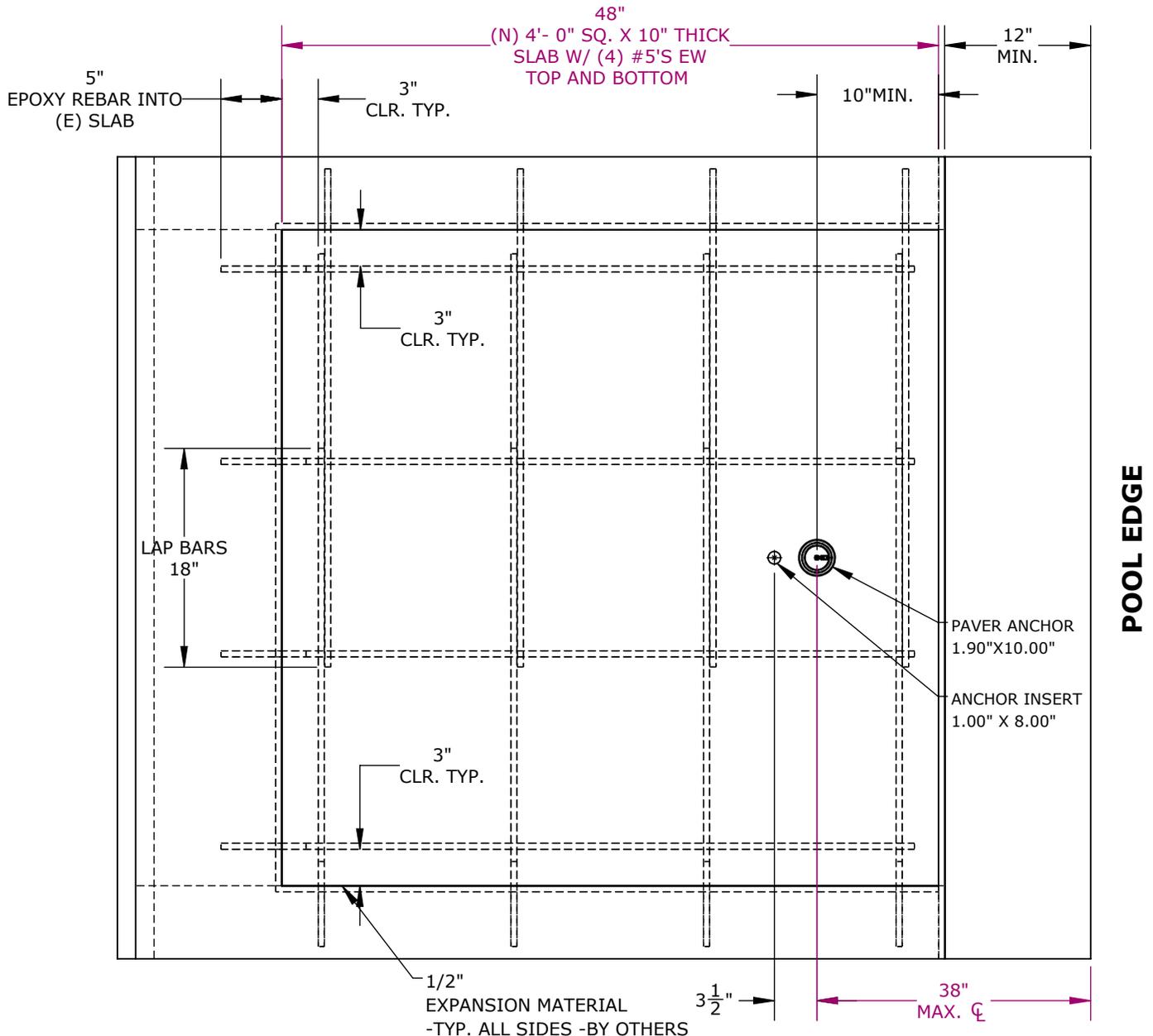
### YOUR DECK MUST HAVE:

- MIN. 3'- 6" x 3'- 6" x 10" THICK
- MIN. CONCRETE STRENGTH: 2500 PSI, w/c =.045
- RFT: #5 REBAR @ 12 5/16" ON CENTER (O.C.)

(SEE SCOUT EXCEL SAW-RETRO FIT/NEW CONSTRUCTION FOR ANCHOR PLACEMENT)



# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION



**NOTES:**

1. SIM FOR NEW CONSTRUCTION AND STAND ALONE SYSTEM.
2. MINIMUM CONCRETE STRENGTH OF 4500 PSI, w/c=0.45, W/(4) #5's EW AT TOP AND BOTTOM
3. USE SIMPSON SET-3G, HILTI HIT-RE 500-V3/V4, OR APPROVED ALTERNATIVE EPOXY FOR REBAR

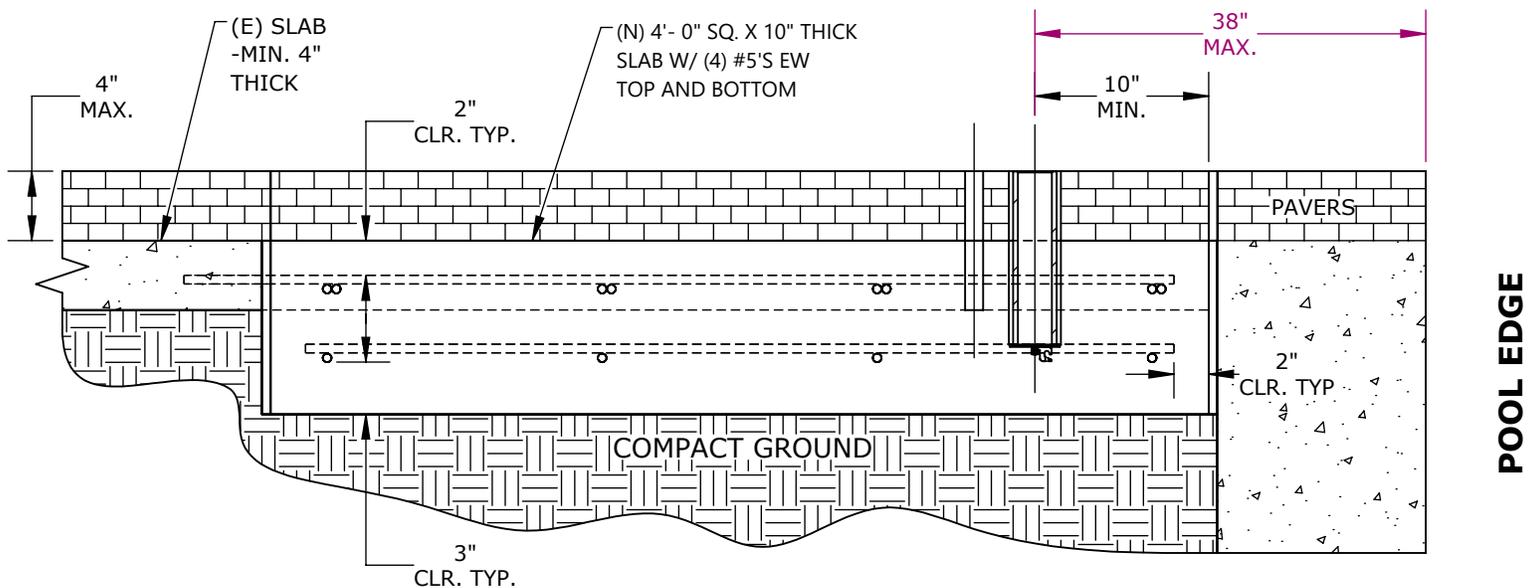
# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION

## NEPTUNE NANO APPLICATION

### YOUR DECK MUST HAVE:

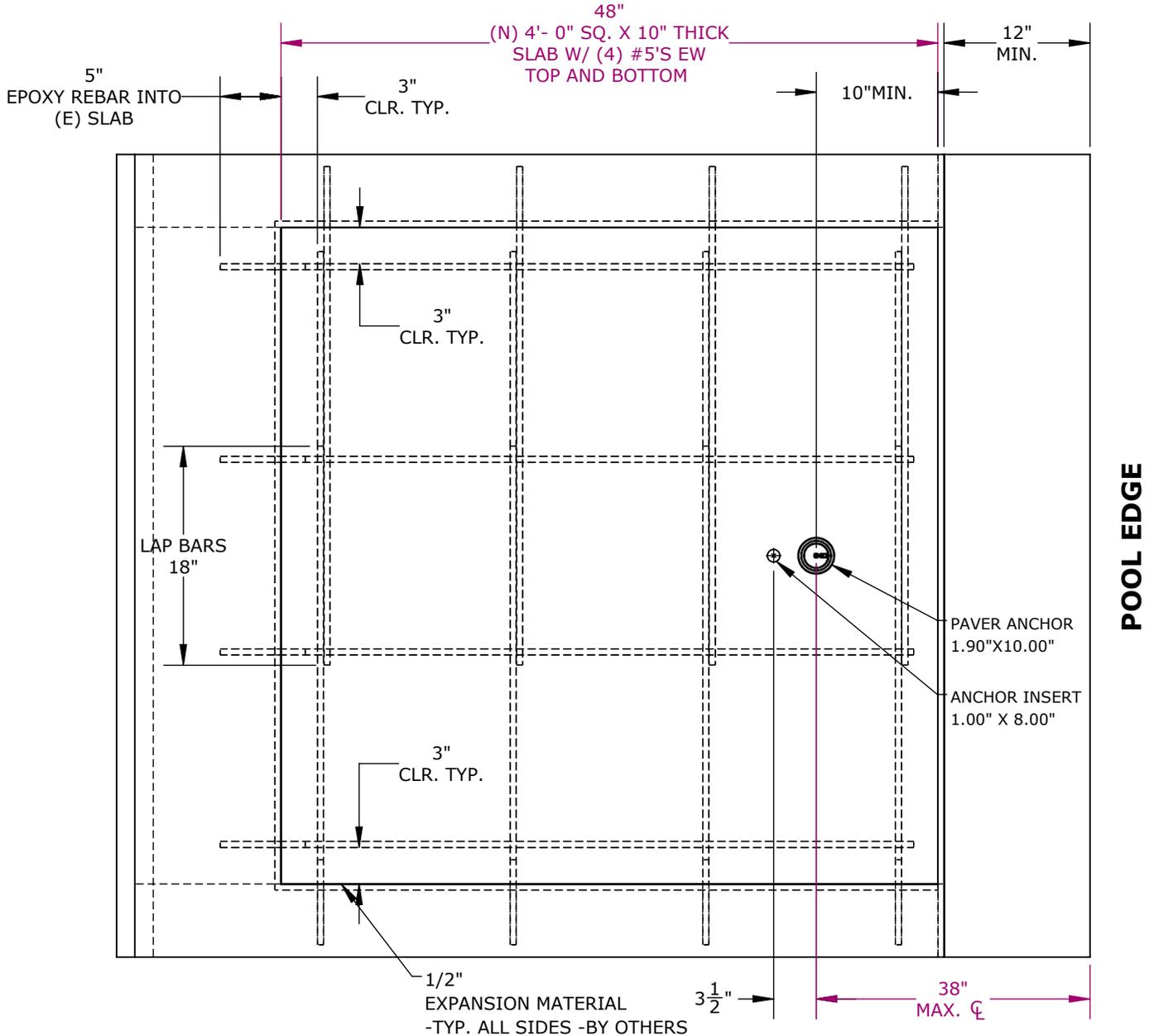
- MIN. FOOTING SIZE: 4' X 4' X 10" THICK
- MIN. CONCRETE STRENGTH: 4500 PSI, w/c=0.45
- RFT: #5 REBAR @ 14 5/16" ON CENTER (O.C.)

(SEE NEPTUNE NANO SAW-RETRO FIT/NEW CONSTRUCTION FOR ANCHOR PLACEMENT)



**SECTION - NEPTUNE NANO**  
**SCALE 1 : 11**

# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION



**NOTES:**

1. SIM FOR NEW CONSTRUCTION AND STAND ALONE SYSTEM.
2. MINIMUM CONCRETE STRENGTH OF 4500 PSI, w/c=0.45, W/(4) #5's EW AT TOP AND BOTTOM
3. USE SIMPSON SET-3G, HILTI HIT-RE 500-V3/V4, OR APPROVED ALTERNATIVE EPOXY FOR REBAR

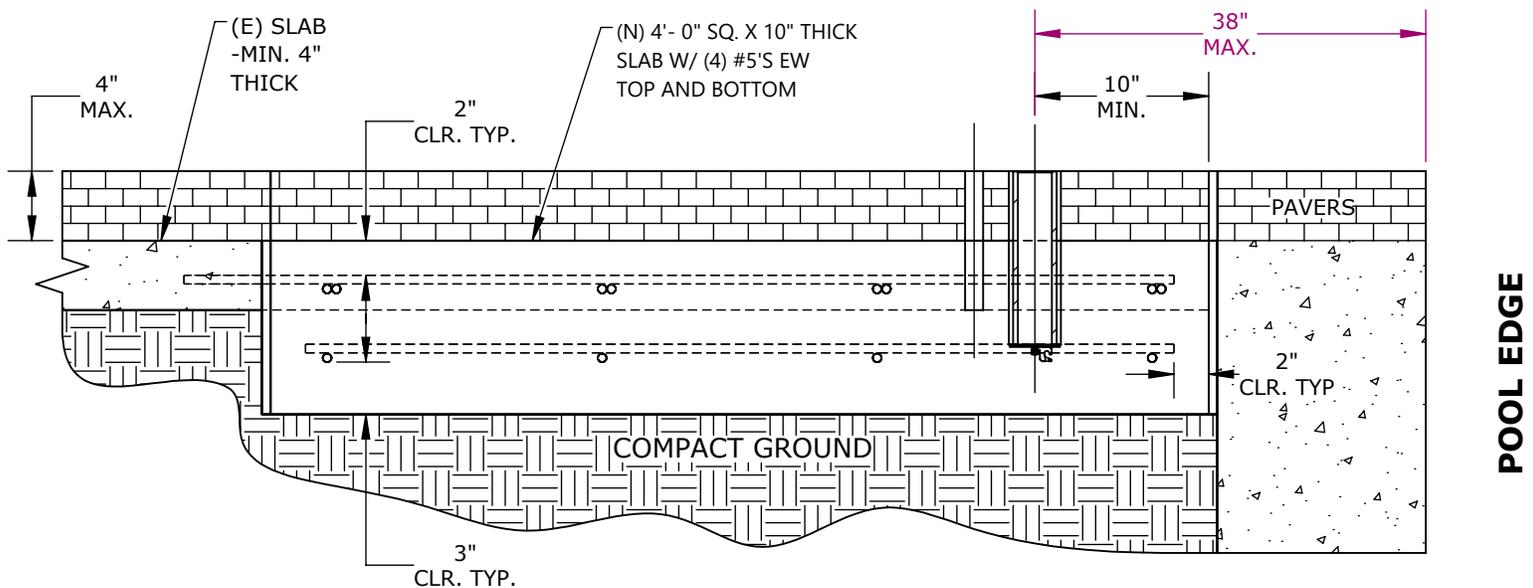
# SAW CUT RETRO-FIT / NEW CONSTRUCTION FOUNDATION

## NEBULA NANO APPLICATION

### YOUR DECK MUST HAVE:

- MIN. FOOTING SIZE: 4' X 4' X 10" THICK
- MIN. CONCRETE STRENGTH: 4500 PSI, w/c=0.45
- RFT: #5 REBAR @ 14 5/16" ON CENTER (O.C.)

(SEE NEBULA NANO SAW-RETRO FIT/NEW CONSTRUCTION FOR ANCHOR PLACEMENT)



**SECTION - NEBULA NANO**  
**SCALE 1 : 11**