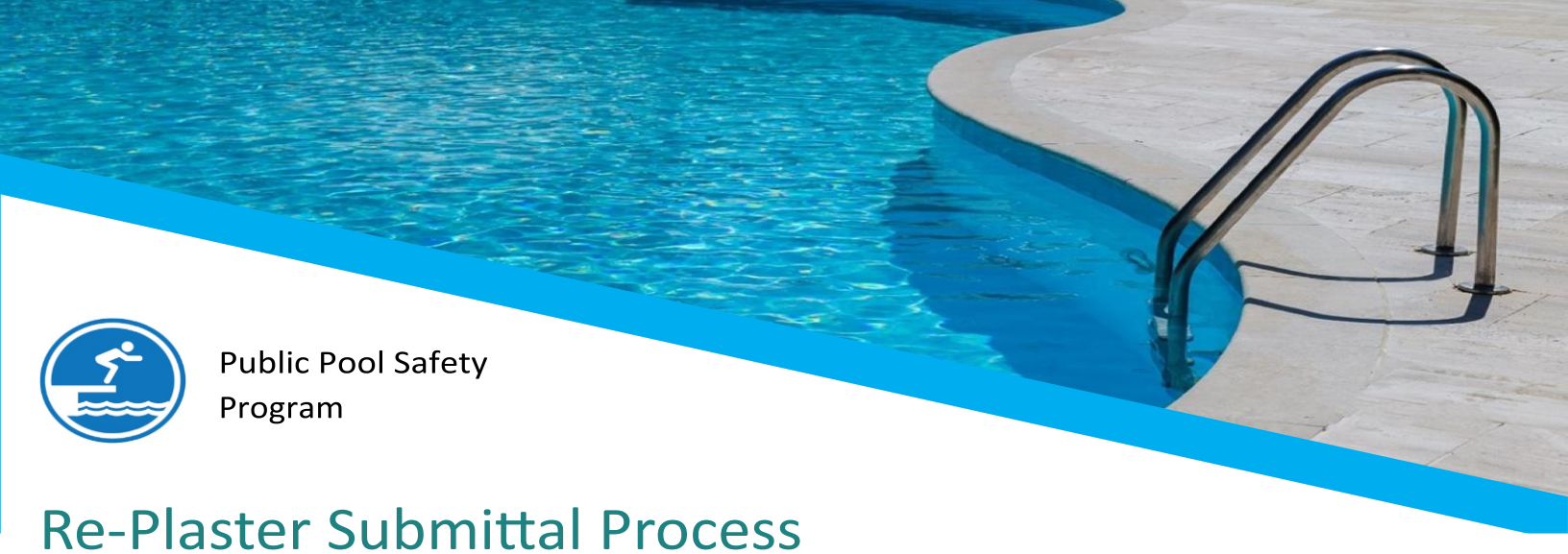


Public Pool Safety Program

Re-Plaster Submittal Process

All material provided below shall be reviewed carefully to ensure compliance and to avoid repetitive inspection visits that may result in additional fees. The process below covers replaster work only as defined by this bulletin. Additional changes, such as fencing remodels, new plumbing, or alterations to the pool shell will require plan submittal and review.

Items that are included in a re-plaster scope of work:

- White plaster, fiber glass, or other approved finishes
- Water-line tiles, trim tiles, lane lines, slope-marking tiles
- Installation of replacement submerged lights in existing locations
- Replacing suction outlet covers and inlets
- Depth markers and no-diving symbol markers
- Handrails
- Splitting drains (recirculation, equalizer, booster)
- Coping
- Wall steps
- Replacing existing skimmers in existing locations
- Equipment changes (new in existing location only-- any replumbing or reconfiguration of entire pump room requires plan submittal & approval)

Note that ADA chair lifts are not reviewed by our agency, except that deck clearances should be maintained, as possible, four feet around these devices. Check with the city building department for regulations on chair lifts.

Re-Plaster Procedure

1. **Submit a Service Request (SR) Form and Pay the required Fee -** The first step to initiating a replaster is to submit a (SR) form and pay the fee (no other forms or documentation will be needed unless otherwise asked for by Plan Check!).

   Submitters have the option of submitting the SR form and payment in-person at our front desk or electronically. To submit electronically, e-mail your request to Plancheck@ochca.com and include "EPS: Re-plaster" in the subject line.

2. **Wait for an E-mail -** Within 7 business days of submitting and paying for the SR form the submitter will receive an e-mail from Plan Check. The email will advise the submitter on their designated plan checker, provide instructions specific to the body of water, and give approval to proceed with work.

3. **Re-Plaster Inspection and Final Inspections -** During the inspection, your plan checker will review pipe sizes, pump sizes and configurations, and determine if the drain covers you are proposing are compatible. Therefore, it is required to have the drain covers on-site during a pre-plaster inspection. The plan checker will provide instructions and either approval to plaster or if necessary, continue with inspections until approval to plaster has been obtained. Once plaster is completed and pool(s) filled, the contractor is required to contact their designated plan checker to schedule a final inspection prior to placing the pool(s) back in operations.

Re-plaster Readiness Checklist

All items listed will be inspected during the re-plaster inspection regardless of the scope of work, unless noted otherwise. It is the contractor's responsibility to ensure that all items listed are reviewed prior to the inspector's visit. Code sections are included within parenthesis adjacent to each item from California Building Code, Title 24-Public Pools.

➢ Pumps *(3124B, 3126B, 3137B)*

- ☐ Pump make/models must be legible on the pump itself. Note that pump horsepower is taken from the pump housing, not motors. *(If not readable, provide pump information to your plan checker)*
- ☐ Pump must be capable of meeting minimum turnover rate at *60 feet of head*.
- ☐ Pumps must not exceed the maximum allowable flow rates of pipes or drain covers at *60 feet of head.*
- ☐ Variable speed pumps can be set to not exceed maximum flow rates due to pipe size or drain cover limitations. The flow rate must be set, and password protected to avoid tampering.
- ☐ New pumps shall have a pressure and vacuum gauge installed.

➢ Drain Covers and Sumps *(3137B) See Figure 1*

- ☐ Drain covers must be on-site during pre-plaster inspection.
- ☐ Main drain, booster, and feature suction covers must each be capable of accommodating 100% of pump flow capacity at *60 feet of head.*
- ☐ Equalizer covers must be able to accommodate the skimmer flow.
- ☐ Drain covers that are no longer supported by their manufacturers or discontinued will not be accepted.
- ☐ Drain covers must be installed according to the manufacturer's instructions related to sump size, pipe orientation (bottom or side installation) and flow readings.
- ☐ Suction outlet sumps and piping must be free of water and debris, and visible for inspection.

Note 1: Sumps are measured from the top of pipe to the underside of the cover *(see Figure 1).*

Note 2: Some larger suction outlet assemblies require certification from a registered design professional if a field-built sump is utilized, e.g., Lawson Super Sump and Evoqua covers.

➢ Single Drains, Splitting Drains and SVRS Devices *(3137B) See figure 2*

- ☐ Some channel drain covers, like the *Aquastar 32CDFL* model, can no longer accommodate a single pipe, according to the manufacturer. Therefore, our agency will no longer accept some channel drain covers with a single-pipe configuration. This decision will be based on the manufacturer's specification sheets.
- ☐ Existing bodies of water with single drains and SVRS devices, or unverified split drains with SVRS devices, that are undergoing remodeling will be required to split the drains.
- ☐ When split, drains must be a minimum of three feet apart and with a "T" on center. **The "T" branch piping must be exposed for pre-plaster inspection.** The pipe size along the "T" branch to the covers, and the proposed covers, must meet or exceed the recirculation pump flow at *60 feet of head*; and meet or exceed any booster or feature pump *at zero feet of head* (0 feet of head at new splits only—all existing configurations the pumps are sized *at 60 feet of head*). This may mean a much larger pipe size at the branch piping than the existing trunk piping *(see figure 2).* ***Covers are sized per the branch piping, not the trunk piping, but the pump flow may be restricted by the smaller trunk piping size.***
- ☐ Some suction covers can be less than three feet apart if on different planes. Refer to the cover manufacturer's installation instructions.

➢ Inlet Fittings *(3137B.2)*

- ☐ Wall mounted inlets shall be round and smooth
- ☐ Wall mounted inlets shall not protrude greater than 1.25 inches
- ☐ Floor mounted inlets shall be flush with the pool bottom.

Environmental Health Division – Public Pool Safety Program

1241 E. Dyer Road, Suite 120, Santa Ana CA 92705

Phone: (714) 433-6074

Fax: (714)-433-6424

Email: plancheck@ochca.com

@ochealth

@ochealthinfo

@ochealthinfo

➢ Steps and Ladders *(3111B) See figure 3*

Regardless of the scope of work or existing conditions, steps and ladder configurations must comply with these requirements. Adjustments or modifications to existing steps may be necessary. Risers for wall steps and entry steps are measured from the deck, not from top of coping or waterline.

Pools/spas/waders built before 2012:

- ☐ Top step (straight) tread shall be 12" wide minimum (no maximum)
- ☐ Top step (rounded or triangle) tread shall be 18" wide minimum (no maximum)

Pools/spas/waders built after 2012:

- ☐ Top step (straight) tread shall be 14" – 18" wide.
- ☐ Top step (rounded or triangle) tread shall be 21" – 24" wide.

All years built:

- ☐ Risers must be 12" or less, uniform from shell to step, from step to step, and from step to deck.
- ☐ Treads must be uniform, 12" maximum (other than top step)
- ☐ For waders where distance to shell from deck is greater than 12", a step must be installed. The step shall:
  - be a minimum two-feet wide
  - have a 14"-18" wide tread
  - have a 12" riser or less, uniform from shell to step, from step to deck
- ☐ Construction tolerance is +/- half-inch per code.
- ☐ Entry step handrails must be 28"-36" above step treads
- ☐ Handrails should be in-place and secure for pre-plaster inspection.
- ☐ Entry steps should have a uniform shape from top to bottom.

➢ Emergency Shut Off Switch for Spas *(3138B.5)*

Regardless of the scope of work or existing condition, spa remodels must include a functioning emergency shut off switch.

- ☐ Switch must be clearly labeled with lettering one-inch high
- ☐ Switch must de-activate all pumps connected to spa (booster, circulation, and feature if applicable).
- ☐ Switch must be visible from the spa and no more than 15 feet away within the pool enclosure.

➢ Depth Markers *(3110.B.4)*

If replacing depth markers, the items listed below must be in-compliance. Existing depth markers will be evaluated for condition, legibility, and general safety during inspection.

- ☐ Depth markers shall have four-inch-high lettering
- ☐ Abbreviations shall be in "FT" and "IN"
- ☐ Must be installed on the water line and on the deck within three feet of the water's edge.
- ☐ Depth markers shall be within six-inch accuracy as measured at the waterline
- ☐ Depth markers on deck shall be slip-resistant and smooth at waterline
- ☐ No-diving symbol markers installed on deck must be adjacent to all depth markers at six feet and shallower (including spas and waders)
- ☐ A minimum of two depth markers with no-diving symbol markers are required for spas and waders

➢ Tiles *(3108B.3, 3110B.2, 3110B.3)*

Unless black or dark blue tiles are proposed, it is highly recommended to submit a sample of waterline or trim tiles to your plan checker for evaluation prior to installation.

- ☐ Waterline tiles shall be contrasting in color, smooth, and cleanable.
- ☐ Trim tiles shall be contrasting in color and slip resistant on steps and benches.
- ☐ Depth marking line tiles (for pools deeper than five feet) shall be straight line, contrasting in color, slip-resistant, and 4-6 inches wide at the 4 ½ feet depth
- ☐ Lane marking tiles shall be slip resistant and shall not exceed 12" width.

➢ Flow Meter *(3125B.3)*

Regardless of scope of work, the recirculation system must have a flow meter installed on the return line.

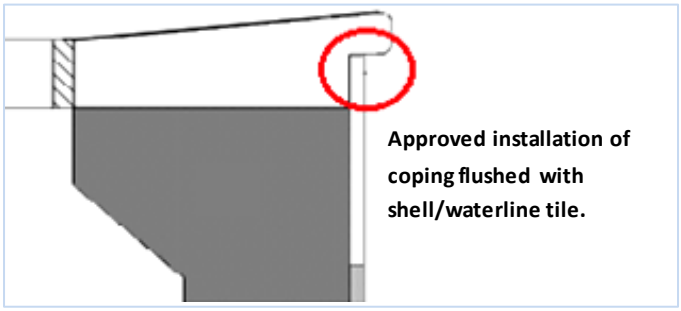
- ☐ Flow meter shall be legible
- ☐ Flow meter shall provide readings within the turnover rates of the pool

Re-Plaster Readiness Checklist (continued)

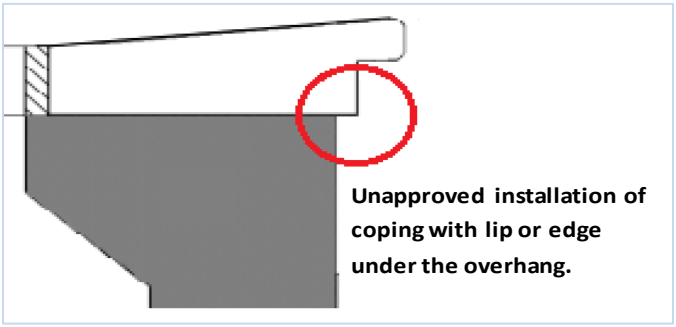
- **Coping** *(3112B) See figure 4*

New and existing coping must comply with the following requirements:

- ☐ Overhang 1”-2”
- ☐ Rounded slip-resistant edges
- ☐ Slope away from the pool
- ☐ Maximum 2.5” thickness at handhold
- ☐ Coping must be flush with waterline/shell



Approved installation of coping flushed with shell/waterline tile.



Unapproved installation of coping with lip or edge under the overhang.

- **Deck (***3114B)*

Regardless of the scope of work, the decking shall comply with the following:

- ☐ 4’ clearance around all pools
- ☐ 4’ clearance around 50% of spas
- ☐ Good condition with non-slip material

- **Fencing and Gates** *(3119B)*

Regardless of the scope of work, the fencing and gates shall comply with the following:

- ☐ Fence shall be overall five feet high.
- ☐ Fence shall not have gaps greater than four inches.
- ☐ Horizontal climbing surfaces outside the fence or inside next to the fence must be four feet apart.
- ☐ No climbing footholds within a five-foot-arc from the top of the fence.
- ☐ Gates shall be self-closing and self-latching.

- **Chemical Feeders and Controllers** *(3133B)*

Requirements below are to be applied to new chemical feeders and controllers. Existing feeders and controllers will be evaluated on a case-by-case basis. All feeders and controllers must be NSF-50 for commercial use.

- ☐ For an approved list of feeders you may visit: http://publichealth.lacounty.gov/eh/docs/inspection/approved-pool-equipment-list.pdf
- ☐ Visit https://info.nsf.org/Certified/Pools for an approved list of controllers.
- ☐ Feeders must be capable of providing three pounds of chlorine per 10,000 gallons of pool water per day.

- **Filters** *(3128B, 3132B, 3141B, 3125B.2)*

Requirements below are only applicable to new filters. Existing filters will be evaluated on a case-by-case basis.

- ☐ Filters must be NSF-50 for commercial use. You can find a list of pre-approved filters here: http://publichealth.lacounty.gov/eh/docs/inspection/approved-pool-equipment-list.pdf or here: https://info.nsf.org/Certified/Pools/
- ☐ Filters must be provided with valves for backwashing.
- ☐ Filters must accommodate the total flow of all circulation pumps, based on the filter manufacturer’s stated flow rates for the filtration media chosen.
- ☐ Filter backwash must be indirectly drained to the sewer.
- ☐ DE filters must backwash through a separation tank.
- ☐ Cartridge filters require an approved wash down pad with drainage to the sewer.
- ☐ Filters must have a pressure gauge with a clean start-up reading noted.

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FIGURES

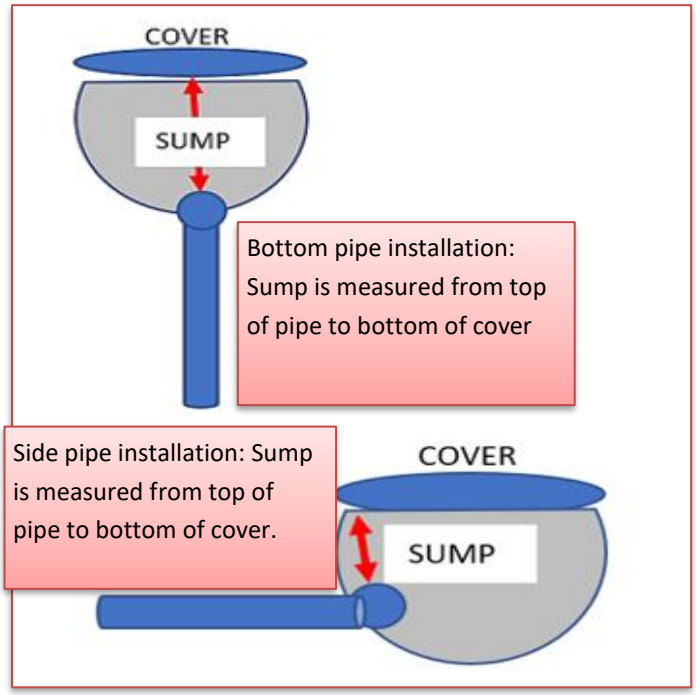

Figure 1 DRAIN COVERS AND SUMPS

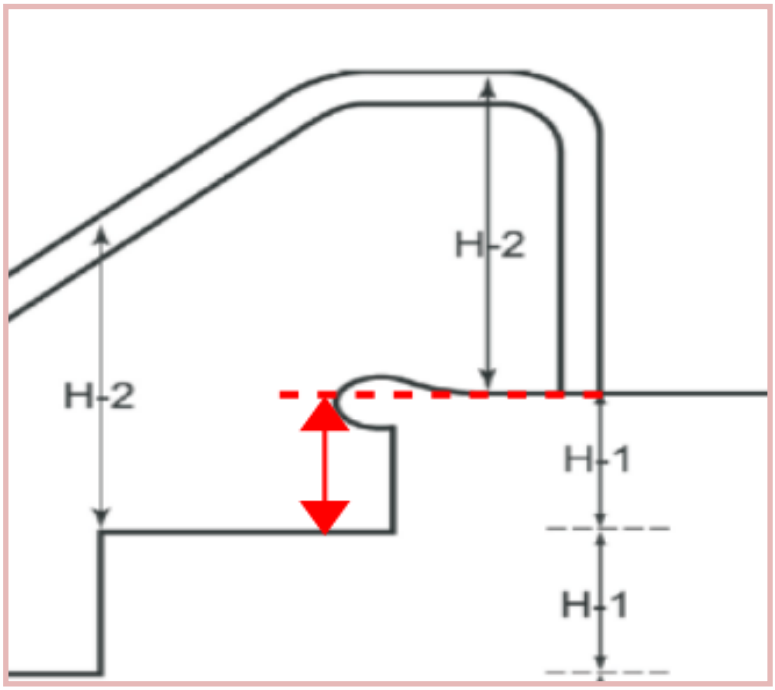

Figure 3 STEP RISERS

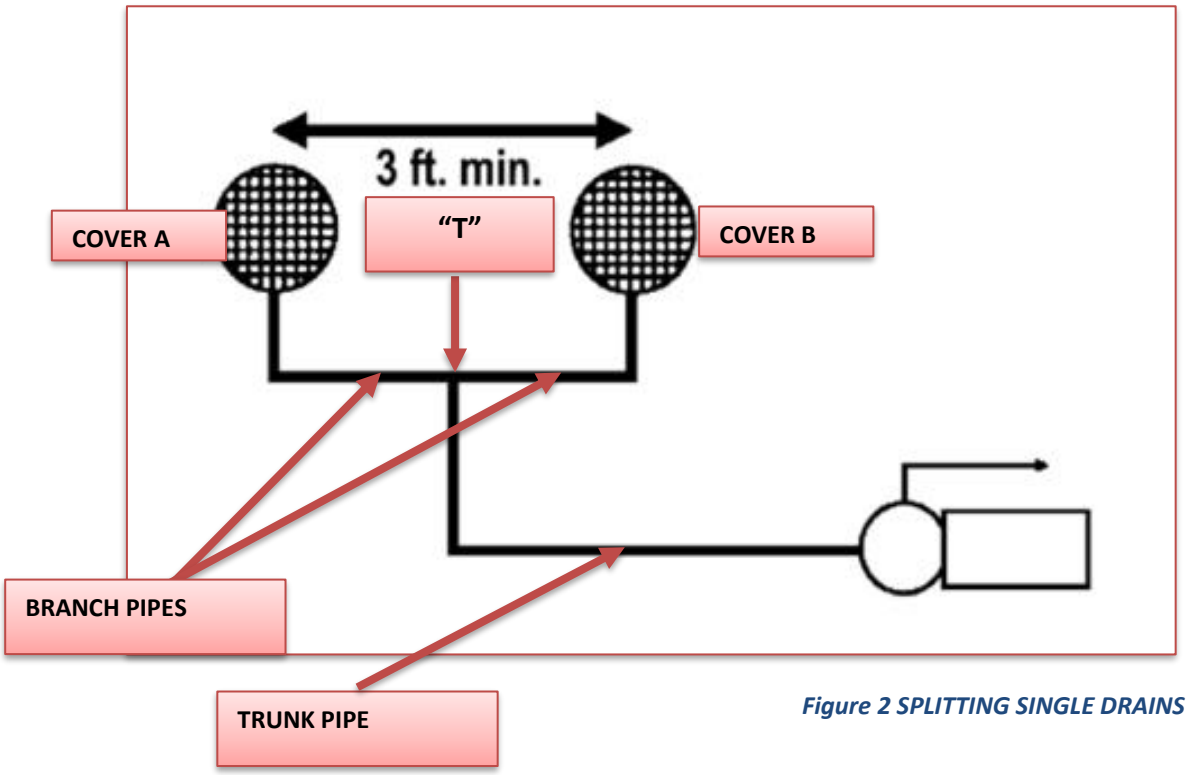

Figure 2 SPLITTING SINGLE DRAINS

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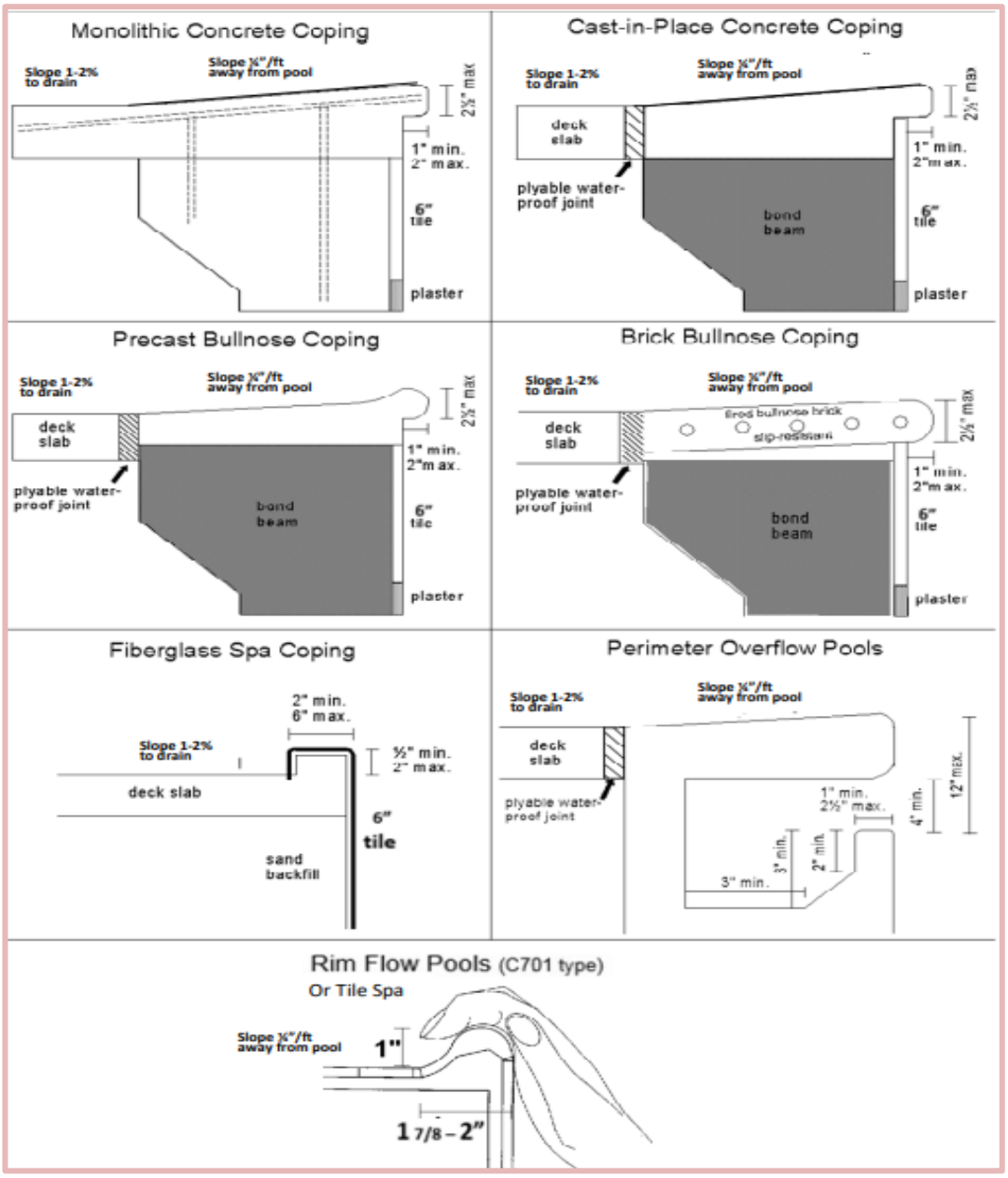

Figure 4 APPROVED COPING

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1241 E. Dyer Road, Suite 120, Santa Ana CA 92705

Phone: (714) 433-6074

Fax: (714)-433-6424

Email: plancheck@ochca.com

@ochealth

@ochealthinfo

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