

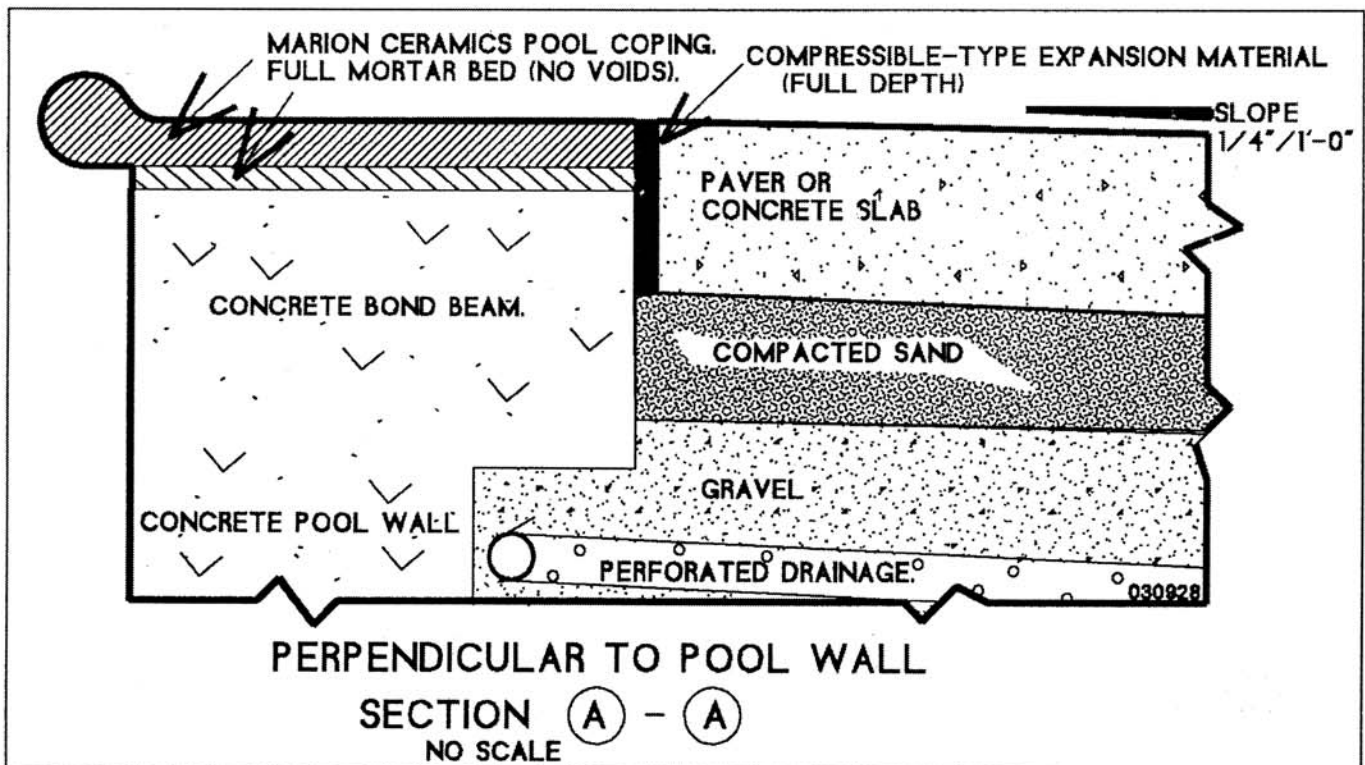


## MARION POOL COPING INSTALLATION REQUIREMENTS

These requirements are based on and supersede ASTM C 902 specifications, BIA Engineering and Research Digest- Brick Pool Copings, TCA Handbook for Ceramic Tile Installation and PCA mortar standards.

### SUBGRADE DRAINAGE:

- Professionally designed gravel and piping drainage suitable for climatic and soil conditions.
- Slope shall be minimum of 1/4" per foot away from pool edge.
- Compressible expansion joint shall be provided between any and all restraining surface(s) and pool bond beam including coping units installed on bond beam. See drawing below.



## COPING UNITS:

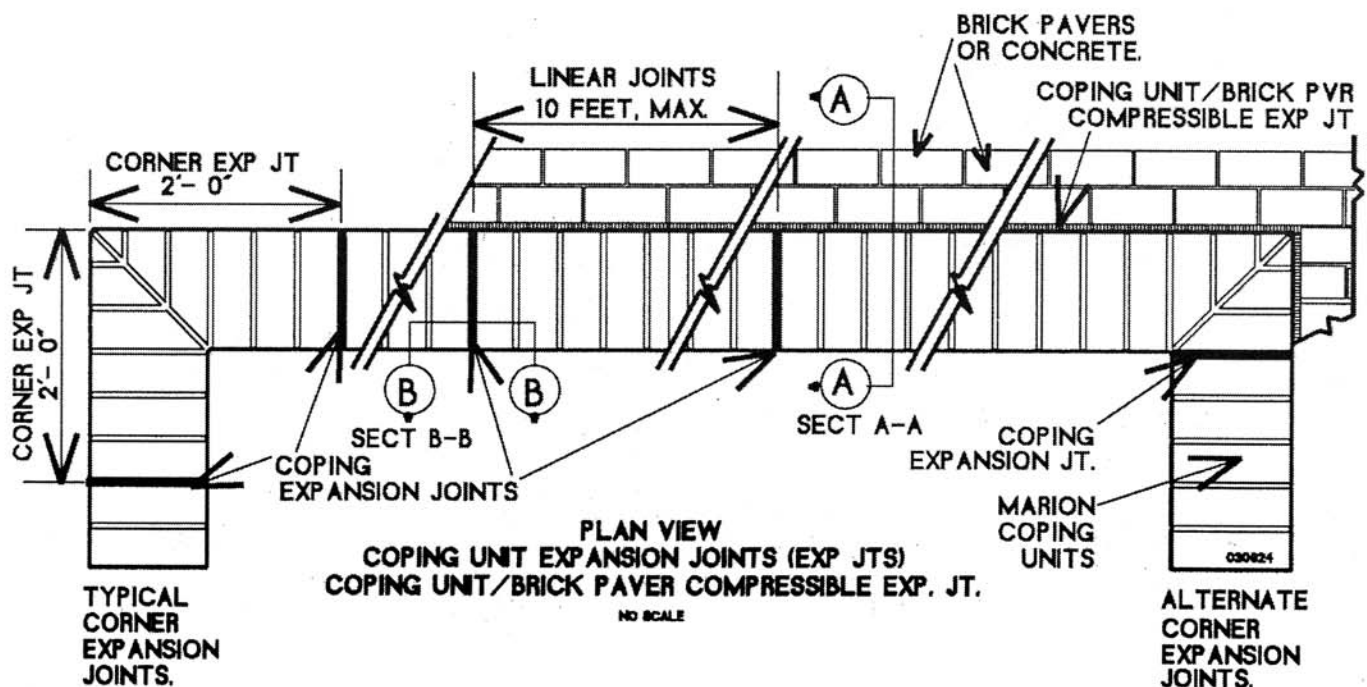
- Coping units, as manufactured by Marion Ceramics.
- Coping units shall be installed in a damp-dry condition to slow and enhance curing.

## MORTAR:

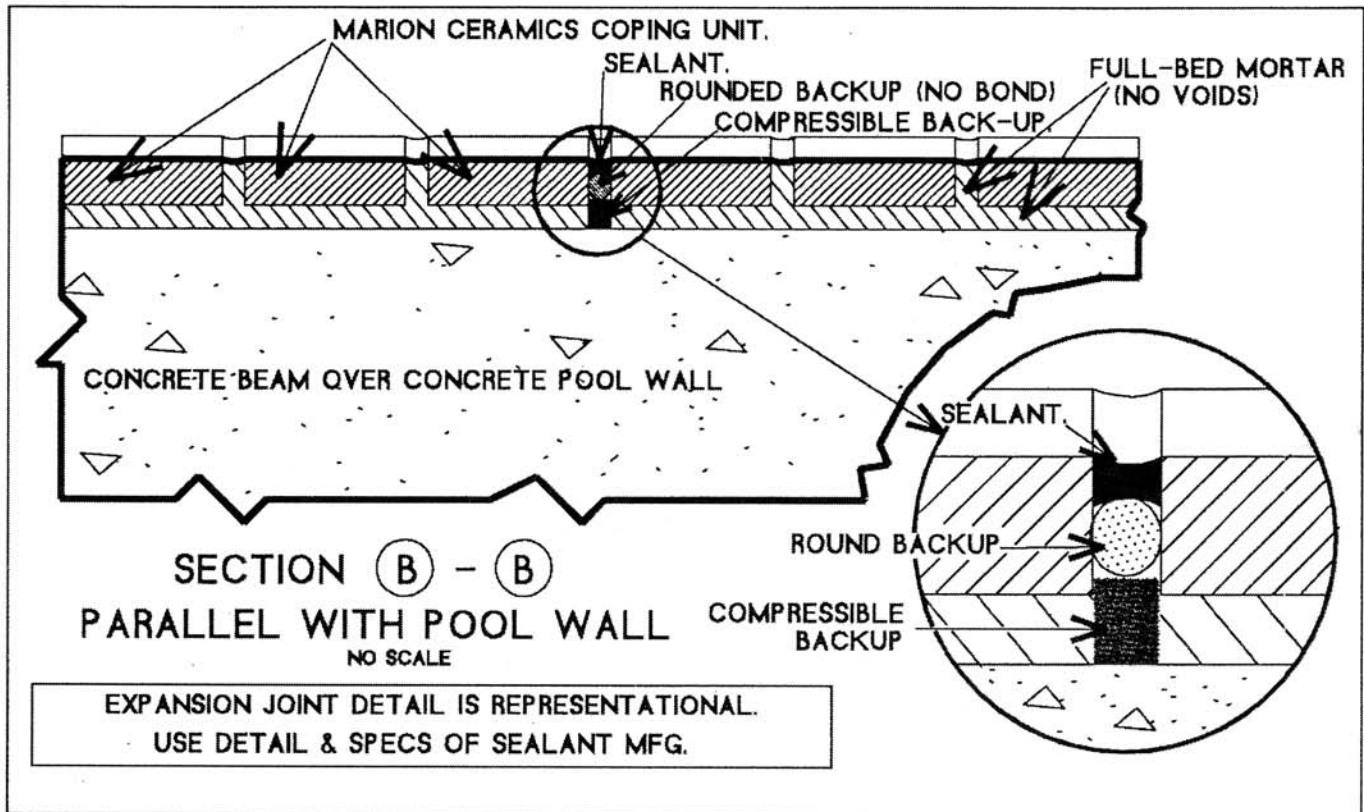
- Concrete pool wall top surface (bond beam) shall be clean and free of debris and in a damp-dry condition at time of mortar application.
- Mortar shall be Type M or S as designated by PCA.
- Typically place mortar-work less than two feet ahead of active work area (mortar must not be skimmed over).
- Apply mortar to bed and coping unit bottom and edge, place coping units into fresh mortar bed.
- Use First-Course method (full mortar beds, no voids).
- Tool thumbprint hard mortar joint with concave jointer.
- Damp cure coping unit installation minimum of seven days, preferably 14 days.

## EXPANSION JOINTS:

- Coping unit expansion joints perpendicular to pool edge, place 10 feet OC for straight line perimeters; for curved perimeters space expansion joints one radius length apart for each curve with minimum radius of 5 feet and maximum distance between expansion joints of 10 feet. Curved perimeters with a radius of less than five feet shall not be used.
- Place expansion joints between coping units at each corner location, where coping units abut restraining surfaces, at sub-base control/ expansion joints, and at each side of skimmer bond beam openings. See drawing below.



■ Expansion joints through coping units shall extend through the coping unit and mortar to the bond beam (top of pool wall). See drawing below.



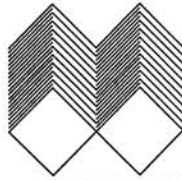
### CLEANING PROCEDURES:

Thoroughly wet all coping to be cleaned. Use sulfamic acid crystals or a proprietary masonry cleaner in accordance with instructions for cleaning solution.

Do not use other types of acid solutions to clean brick. Take care to avoid contact of cleaning solution with adjoining surfaces. After cleaning, thoroughly rinse coping units and all nearby surfaces. Utilize appropriate personnel safety procedures.

### WINTER POOL COVERS:

Pool covers must not cover coping units or must be designed to allow for ventilation between the pool cover and the coping units. Woven rolled-type ridge vents or the likes thereof are a reasonable choice for this purpose. In areas subject to freezing conditions, lower water levels enough each winter to prevent damage to coping units from expanding frozen water.



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