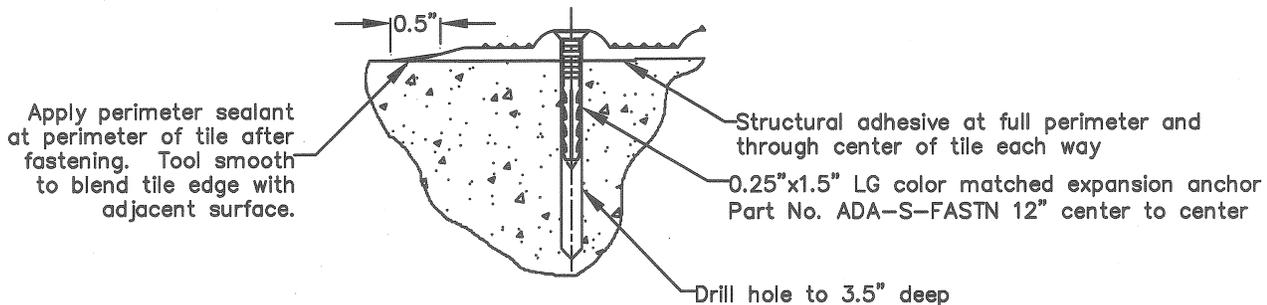


15. **TRUNCATED DOMES – PLASTIC TILES:** Tiles shall be "Armor Tile" as manufactured by Engineered Plastics Inc., Tel: (800)-682-2525, or approved equal. Tiles shall be a single tile, full width x 36" deep nominal, manufactured of an epoxy polymer composite with an ultraviolet stabilized, colorfast coating employing aluminum oxide particles in the truncated cones. Color shall be Safety Yellow (Federal Color #33538). The tile shall incorporate an in-line pattern of truncated domes; 0.20" in height, 0.90" diameter at the base, and 0.40" diameter at the top of dome, spaced 2.35" nominal as measured on a diagonal and 1.70" nominal as measured side by side; rows shall be oriented parallel with ramp direction; domes shall be aligned throughout entire detectable surface area. The field area shall consist of a nonslip surface with a minimum of 40-90 raised points .045" high, per square inch. The tile shall be manufactured with embedment flanges, 3" center to center, 1" min. depth with 5/16" diameter holes, 3 holes minimum per flange. Where tiles are cut, sealant shall be worked under the tile along perimeter wherever the embedment flange is removed.
16. **TRUNCATED DOMES – CONCRETE:** Upon prior approval from Engineer high strength concrete panels reinforced with pre-stressed stainless steel strands may be used. Concrete panels shall be CASTinTACT Detectable Warning Panels Tel: (530) 878-2440 or approved equal; two panels max to achieve full width x 36" deep nominal; 7/8" thick, 69 MPa (10,000 psi) high strength concrete; 1/16" Type 304 SS pre-stressed reinforcement strands 4" O.C. each way and along edges; color shall be yellow unless otherwise specified. Installation shall be per manufacturers directions.
17. **TRUNCATED DOMES – SURFACE APPLICATION:** Upon prior approval from Engineer, retrofit and unique circumstances may allow surface application:
- Surface applied detectable tiles shall be "Armor Tile" manufactured without embedment flanges and the edges shall be beveled, sloped at 1:2 maximum. When the detectable surface edge and/or dome is cut and the resulting edge is not flush with the surface of the ramp, the edge shall be beveled or conformed with perimeter sealant at 1:2 maximum slope in accordance with the manufacturer's requirements.
  - Adhesive: Urethane electrometric adhesive by Sika Corp., Uniroyal, Mapei, Bostik, or approved equal.
  - Fasteners: Color matched, corrosion resistant, flat head drive anchor: 1/4" diameter x 1-3/4" long, 12" center to center both directions minimum. Armor-Drive by Engineered Plastics or approved equal.
  - Perimeter Sealants: Epoxy two component sealant by Powers, Simpson, Hilti or approved equal. Aluminum gray color.



**SURFACE APPLIED TILE INSTALLATION DETAIL**

ACAD FILE NO. C3101D108D Rev4.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY				APPROVED						
4	Deleted all Metric dimensions	4/24/12	AMS	<b>WHEELCHAIR CURB CUT RAMP DETECTABLE WARNING SURFACE NOTES</b>			 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13						
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC	DATE	June 2004	SCALE	NONE	SHEET	4 OF 4	DWG. NO.	106D	CASE.	3101