

INSTALLATION MANUAL
For the
Hydramatic
In-wall Receptors



*Exclusive Manufacturer of the Hydramatic
Hydraulic Swimming Pool Covers*

AQUAMATIC COVER SYSTEMS

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*For your safety and ease of installation, be sure to read this manual completely.
Improper installation may severely limit the warranty and life of the system.*

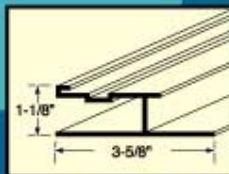
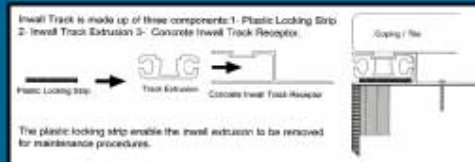
IN-WALL "ENCAPSULATION" APPLICATIONS



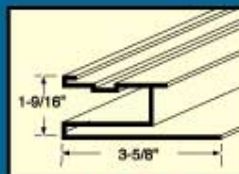
Aquamatic Cover Systems In-wall Extrusions

Encapsulated "In-wall" Receptors for Concrete Gunite and Fiberglass Pools

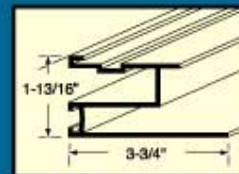
- In-wall tracking is ideal for any indoor or outdoor installation. The track receptor is installed on top of the bond beam during the pool construction prior to the coping installation. Coping or other masonry material are placed directly on top of the track receptor.



In-wall #1



In-wall #4



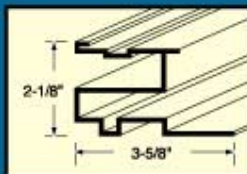
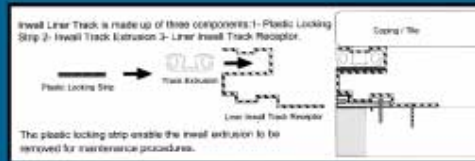
In-wall #5 w/fiberoptic receiver

- Concrete / Gunite / Fiberglass Pools
- Ideal for raised beam details
- For use with non-standard coping, brick/tile pavers and stone

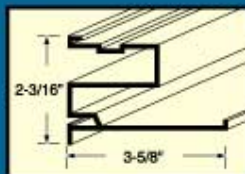
- Available in 12' 18' & 21' lengths
- Snap in fascia to finish off at end of pool
- 6063T-5 anodized aluminum
- Can be color coated to match surround

Encapsulated "In-wall" Receptors for Vinyl Liner Pools

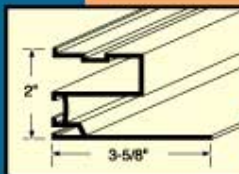
This extrusion can be used on any liner type pool. Steel, polymer or wood wall. The track receptor is installed at the time of the pool construction on the top of the pool wall. Copings or other masonry material are placed directly on top of the track receptor.



In-wall #2 without Liner Bead



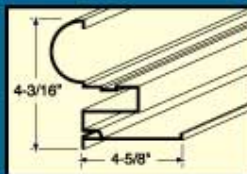
In-wall #3 with Liner Bead



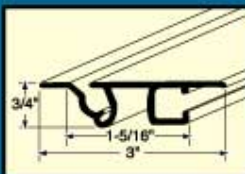
In-wall #6

- Vinyl Liner Pools
- Fits standard perimeter fiberoptic lighting
- For use with non-standard coping, brick/tile pavers and stone

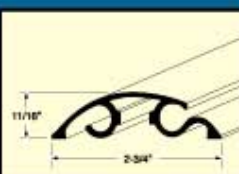
- Available in 12' 18' & 21' lengths
- Snap in fascia to finish off at end of pool
- 6063T-5 anodized aluminum
- Can be color coated to match surround



In-wall 3DF



Flush Track



Top Track

IMPORTANT: When using In-wall Receptors, there will be an increase in finished elevation.

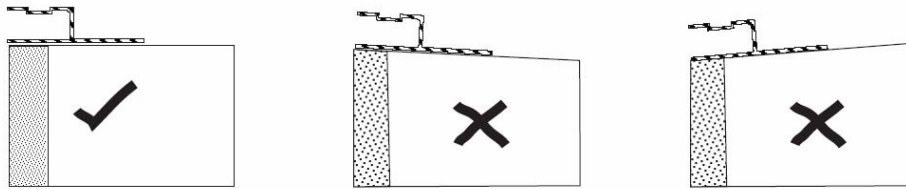
Installation Guide for Encapsulated In-wall Receptors

There are six different receptor tracks for use in all forms of construction, concrete, fiberglass and vinyl liner. The same basic installation methods will apply regardless of pool construction.

Concrete or fiberglass

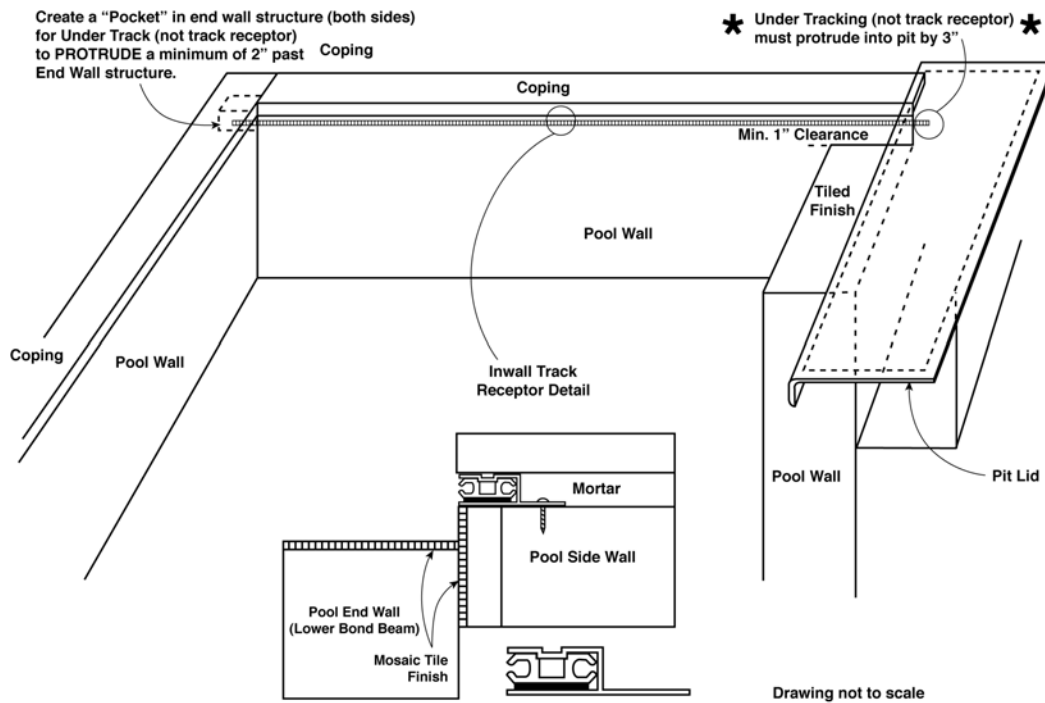
It is ideal to have the tile in place prior to installing the receptor track, this way you won't have to guess as to the finished thickness of the tile. On concrete / gunite, make sure the first 4 inches from the tile line back are **smooth AND level** as this will negatively affect the finished aesthetic appearance if it is not.

Fix Track Receptor (1) to top of pool wall structure making sure that the receptor over hangs the wall structure to allow for Mosaic finish.



TRACK RECEPTOR MUST BE INSTALLED LEVEL

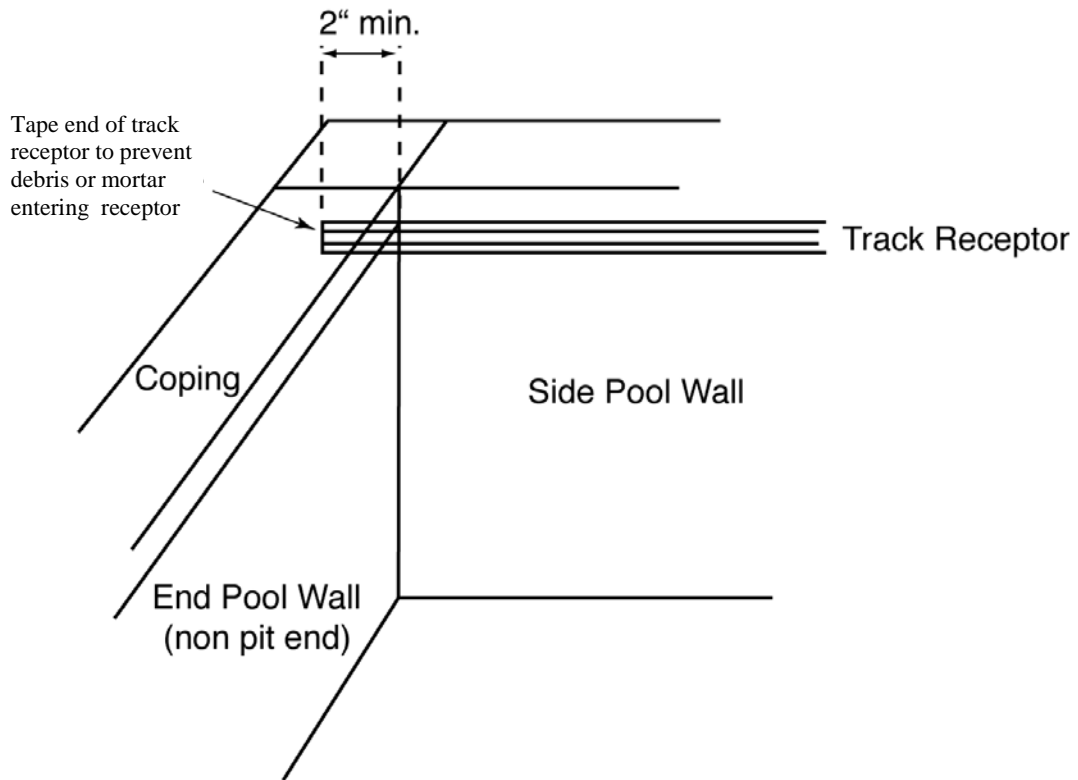
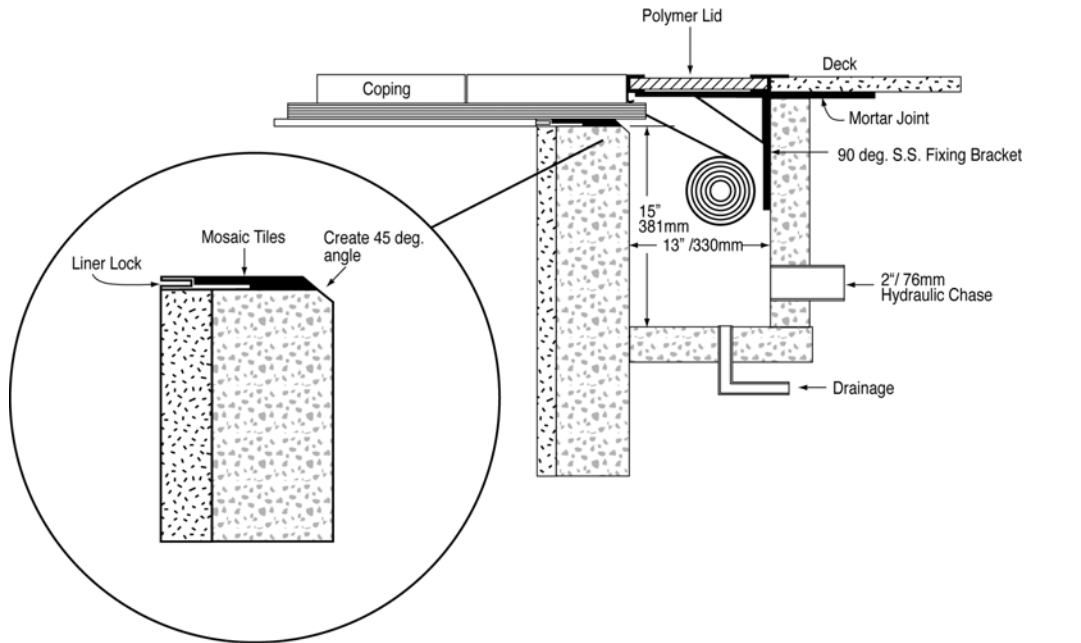
Inwall Track Receptor - Rectangular Concrete Pool, Square Corners



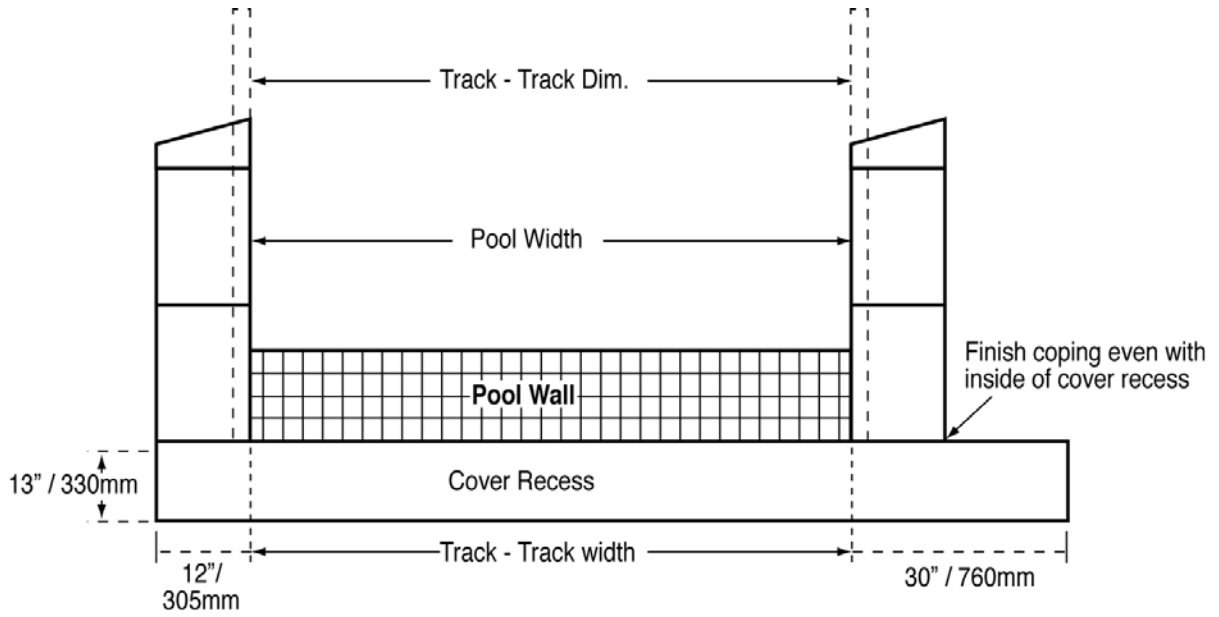
AT THE NON PIT END make sure that TRACK RECEPTOR is installed a minimum of 2" past the end wall. Tape end of track receptor to avoid any debris entering receptor.

If Track Receptor is to be installed along the width of the pool (ie. shallow end wall), track receptor must be installed between side wall tracks.

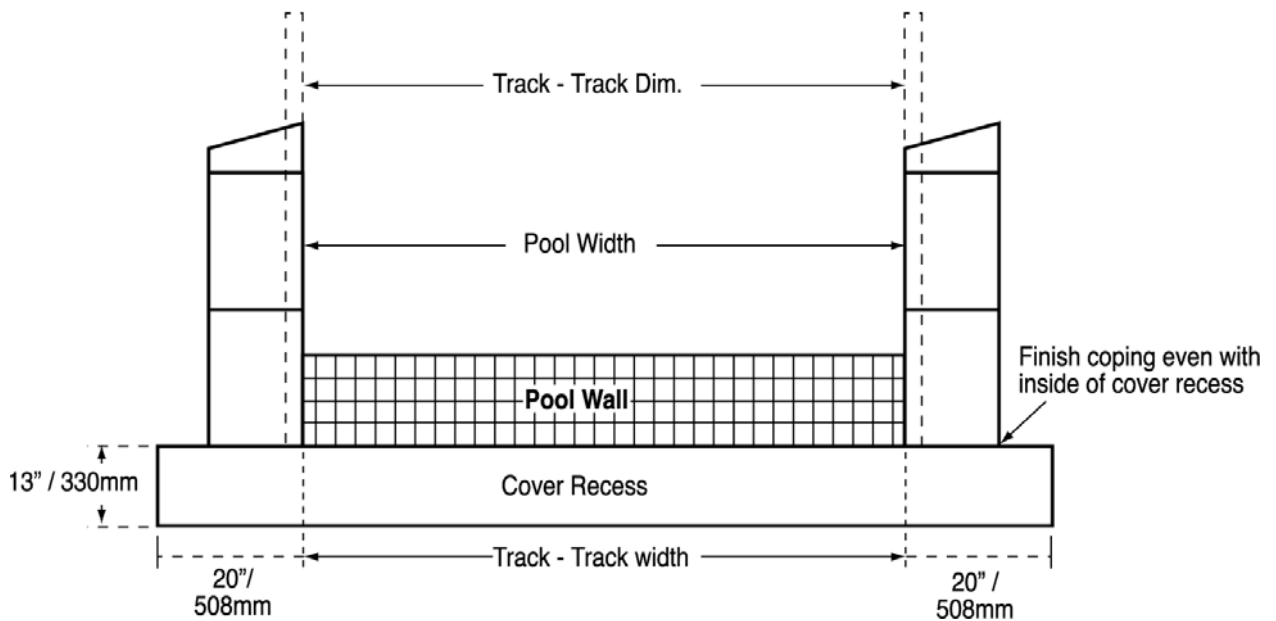
Pit Installation - In-wall Tracking for a Liner Pool



Pit Installation - In-wall Tracking for a Liner Pool



Inwall Split Drive

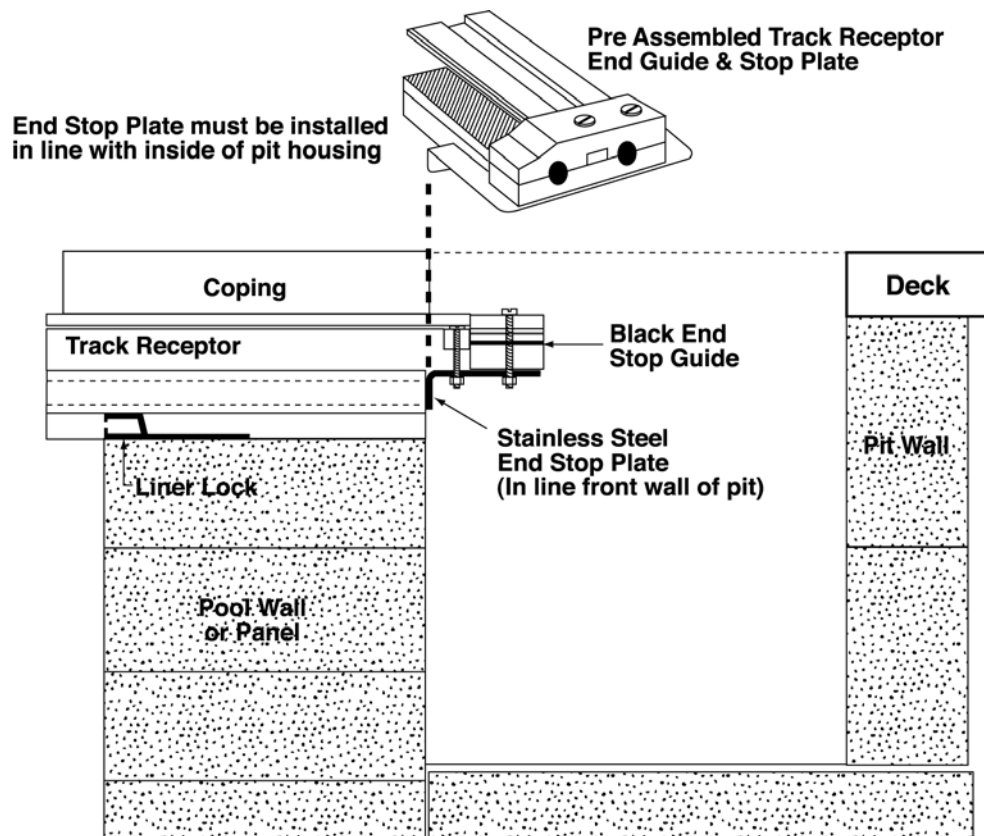


Vinyl Liner Pools

Vinyl Liner

For the liner Pool, the receptor track will mount directly on top of the pool wall. If using in-wall # 2, make sure your liner bead is installed prior to mounting the receptor. Assuming the pool is ready to accept the receptor track, you can begin the installation. You can start on either side, but be certain that you start at the opposite end of the mechanism housing and that the receptor track is run at least 3" beyond the tile line. Also run the tracks at least 3 inches into the cover recess, this will be trimmed later. **The reason the track is run into the recess is to give ample material for both the track and end guide having sufficient mounting room. **

With both sides installed (3" extra on each end) install another piece perpendicular to sides at the end of the pool opposite of the mechanism. This evens out the elevations for both the finished tile and deck applications. Later you will install a fascia (finish strip) in this end receptor.



NOTE: End Stop Plate must be installed in line with inside of pit housing

Installation of the Track Extrusions

After the Receptors are installed, the tracks will be inserted into the extrusions and locked into place with the plastic shims.

Important:

Starting at the shallow end of the pool, place the piece of track (with pulley attached), on top of the in-wall extrusion. Place the track so that the pulley is at the end of the pool and flush with the end of the in-wall extrusion. The side of the track with the locking groove faces up. This piece of track must be cut so that it ends 1' from the point where two in-wall receptors come together or goes at least 1' past the point where two receptors come together. This is required to provide a secure track joining. **Always file and debur the ends of the track when cuts are made.**

Lay the next piece of track inline with the first and cut if necessary so that once again the end of the track is a minimum of 1' away from any point where the in-wall extrusions come together.

Lay the last piece of track inline and cut it off so that it extends 1" past the end of the in-wall extrusion. **This will be cut down later.**

After the tracks are cut to length, place the first piece in the open slot in the in-wall extrusion so that the pulley is flush with the end of the extrusion. *Minimal force may need to be applied at the pulley end to force it into the extrusion.*

Insert a piece of gray shim under the track so that it pushes the track up into the locking groove in the extrusion. Use a rubber mallet to finish tapping the shim in so that it is at least flush with the bottom edge of the in-wall extrusion. **Be careful of any installed tile.** Place the next pieces of shims under the track as needed. Stop short of installing any piece that goes past the end of the track.

Place the second and third pieces of tracks in the extrusion and repeat as above. Keeping in mind that the **shims must not come within 1' of any track join or extrusion joint.** Run the last piece of the shim past the end of the last piece of track.

After the tracks and shims are installed cut the track and shim off so that they are flush with the end of the in-wall extrusion. File any rough spots.

Repeat all above steps for the other side of the pool.

*** Be sure to tape off the pulley end of the receptor with duct tape to prevent concrete from migrating into the receptor, pulley and track ***

Finishing Touches

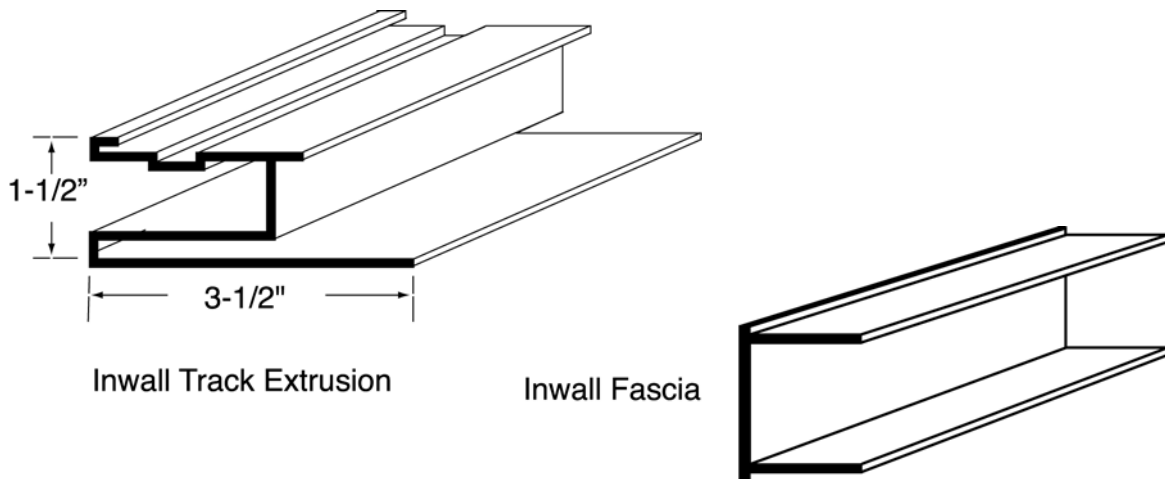
Before the deck can be poured or the coping can be set, a few preparations must be made to prevent damage to the cover and for aesthetics.

Duct tape must be placed over each point where the in-wall extrusions come together (top surface and also at the end of the extrusion at the pulley). This will prevent decking materials from entering the tracks.

It is also advised that the open side edge of the track be taped off also. Using electrical tape works best for this, as this leaves no residue when removed.

The opposite (shallow end) of the pool will have the in-wall extrusion installed the same way as earlier except for there will be no track installed in it. Instead a fascia strip will be installed. This will keep the same elevation as the surrounding sides of the pool.

** See In-wall Fascia drawing below*



Construction and Pool Pictures

