

A close-up photograph of a lizard with brown and yellow mottled scales perched on a dark, textured rock. The background is a soft-focus blue sky with several thin, light-colored reeds or branches crisscrossing the frame.

ACO Wildlife

Wildlife Guidance & Passage Systems

Product Line Overview



ACO. creating

the future of drainage

The ACO Group

Founded in 1946, the ACO Group is a world leader in drainage technology. Climate change sets us a challenge to react effectively with innovative solutions to new environmental conditions. With its integrated approach, ACO provides systems for professional surface water drainage, efficient cleaning, and the controlled discharge or reuse of water.

Products include:

- surface water drainage
- oil, sediment, heavy metal and grease separators
- detention, retention and infiltration systems
- flow control release products

Major innovative strengths of the ACO Group are its continuous research & development and technical expertise in the processing of polymer concrete, plastics, cast iron, stainless steel and cement concretes.

ACO in the USA

ACO, Inc. was founded in Ohio, 1978. Since then, continuous growth in the USA has seen the company expand and build manufacturing facilities in Mentor, OH, and Casa Grande, AZ. The company has further locations in Phoenix, AZ, and Fort Mill, SC. Today, ACO USA has sales personnel across the country and an extensive distribution network through all states, the Caribbean and Central America.

ACO Wildlife

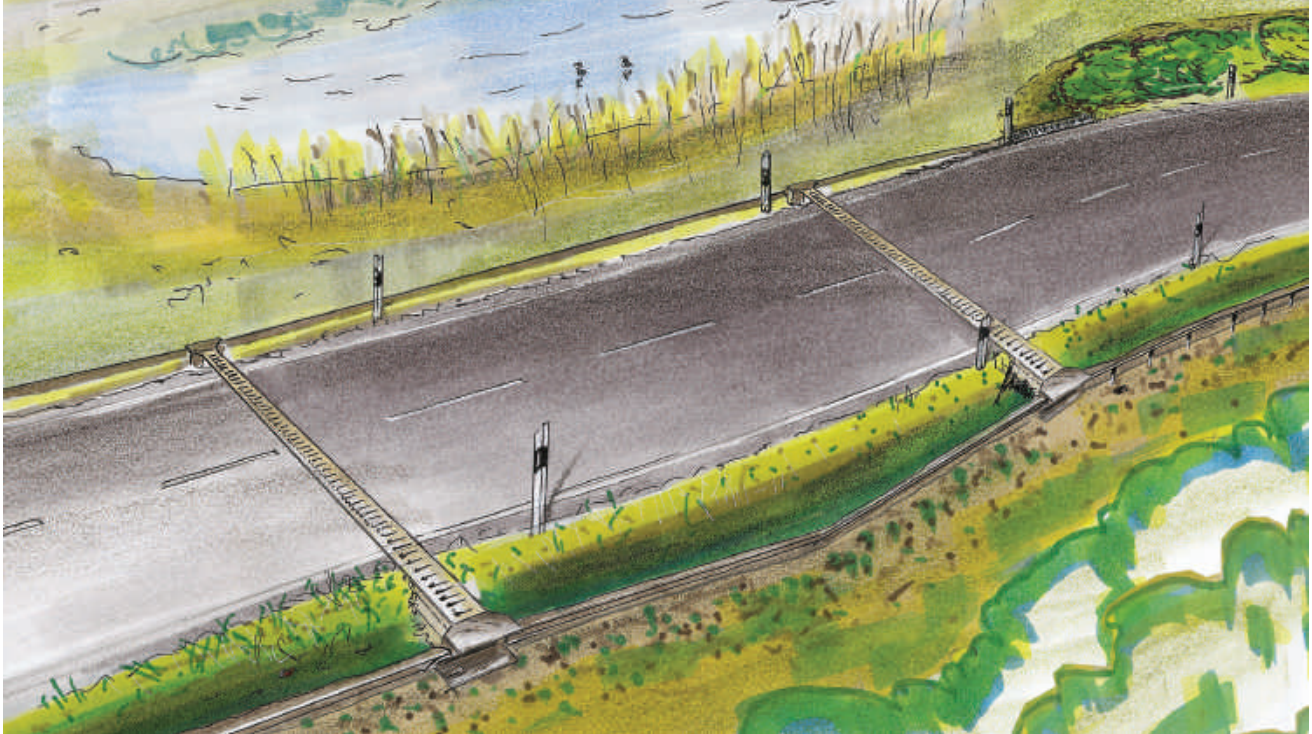
Working in conjunction with environmental specialists, ACO has utilized its extensive knowledge of surface drainage to develop an effective wildlife tunnel and fencing system.

As opposed to the unnatural relocation of spawning grounds and other natural habitats, wildlife guidance systems are readily used by animals who would otherwise need to cross a road surface to reach their habitats. Surrounding fencing leading to tunnel systems safely leads amphibians, reptiles and small mammals underneath and across roads, a measure protecting both animals and humans.



Amphibians and Roads

Conflict exists between the natural migration instincts of animals and increased vehicle traffic and demands for more highways. ACO's solution works for both motorists and wildlife without compromising the needs of either.



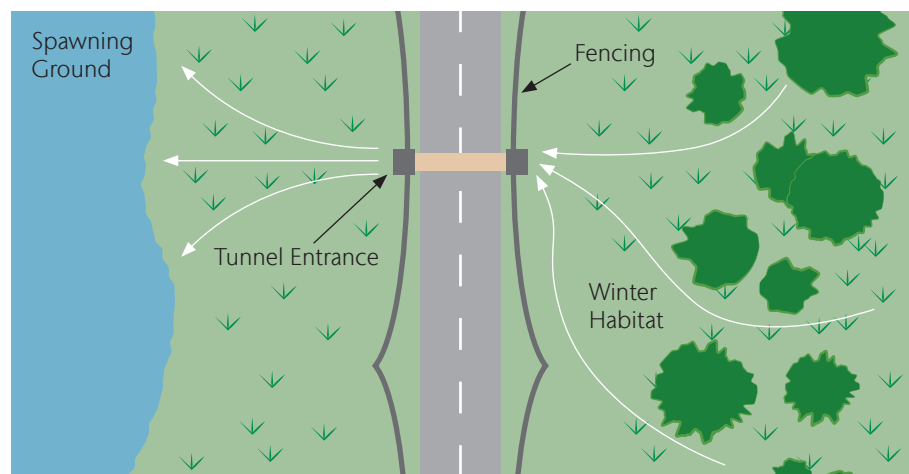
During the Spring mating season amphibians—such as toads and salamanders—seek water to spawn. Once ground temperatures have risen above freezing, the migration begins. Being nocturnal, amphibians begin to appear at dusk to make their way to a pond to mate. The journey from land to water may be as much as a few miles, taking several days and crossing one or more roads. In Autumn, the migration is reversed as they seek sheltered ground in preparation for Winter.

The migratory journeys pose risks from vehicles and roads that intersect the migration routes. It takes several minutes to cross a road, and thousands of creatures can be killed in a single evening. This risk affects motorists, too, as roads can become slippery and drivers may swerve to avoid amphibians and animals on the road, leading to possible traffic accidents.

Relocating breeding ponds is not always effective as some amphibians use the new pond and others instinctively returning to their original breeding pond. A solution which prevents changes to the original migratory paths is ideal.

Project Design

Tunnels are installed at intervals along the road between the pond and the Winter habitat. Fencing should be installed to direct the animals towards the tunnel entrance. The best design is to arch or angle the fence so that the toads follow the curve rather than meet a dead end and stop. To ensure the correct layout, the installer should take specialist advice from a qualified herpetologist, biologist or conservation officer.



Tunnel and Fence Guidance System

Features & Benefits

1 Wildlife Fence

Guides animals towards the tunnel entrance while blocking access to road surfaces to provide a safe migratory route.

Fencing can also be used on its own to provide containment for small animals.

2 Tunnel Entrance

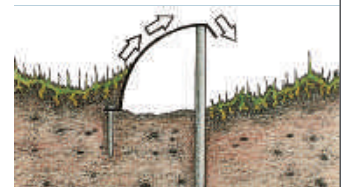
Seamlessly connects fencing to the tunnel without gaps that could allow animals access to the hazardous road surface.

3 Wildlife Tunnel

Provides a safe route beneath and across the road, away from the hazards of vehicles. Also protects road users from the hazard of large volumes of migrating animals along the road.

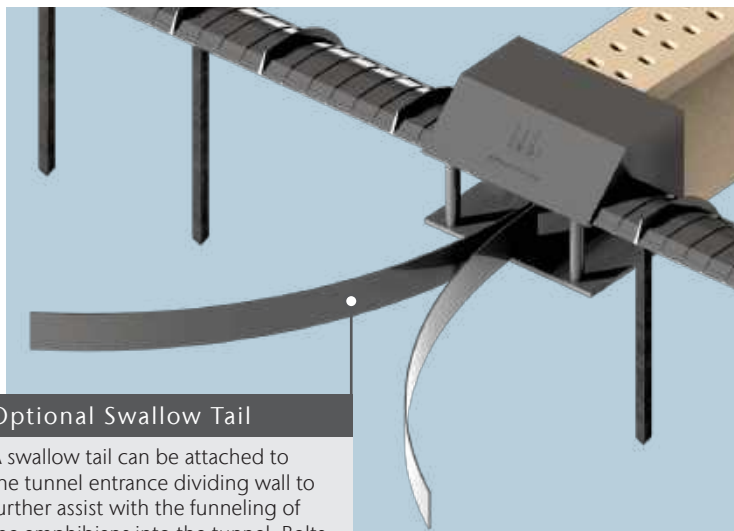
Fence Panels

The fence panels are manufactured from recycled plastic for lightweight shipping and easy installation. Profiled ribs ensure maximum strength to weight ratios.



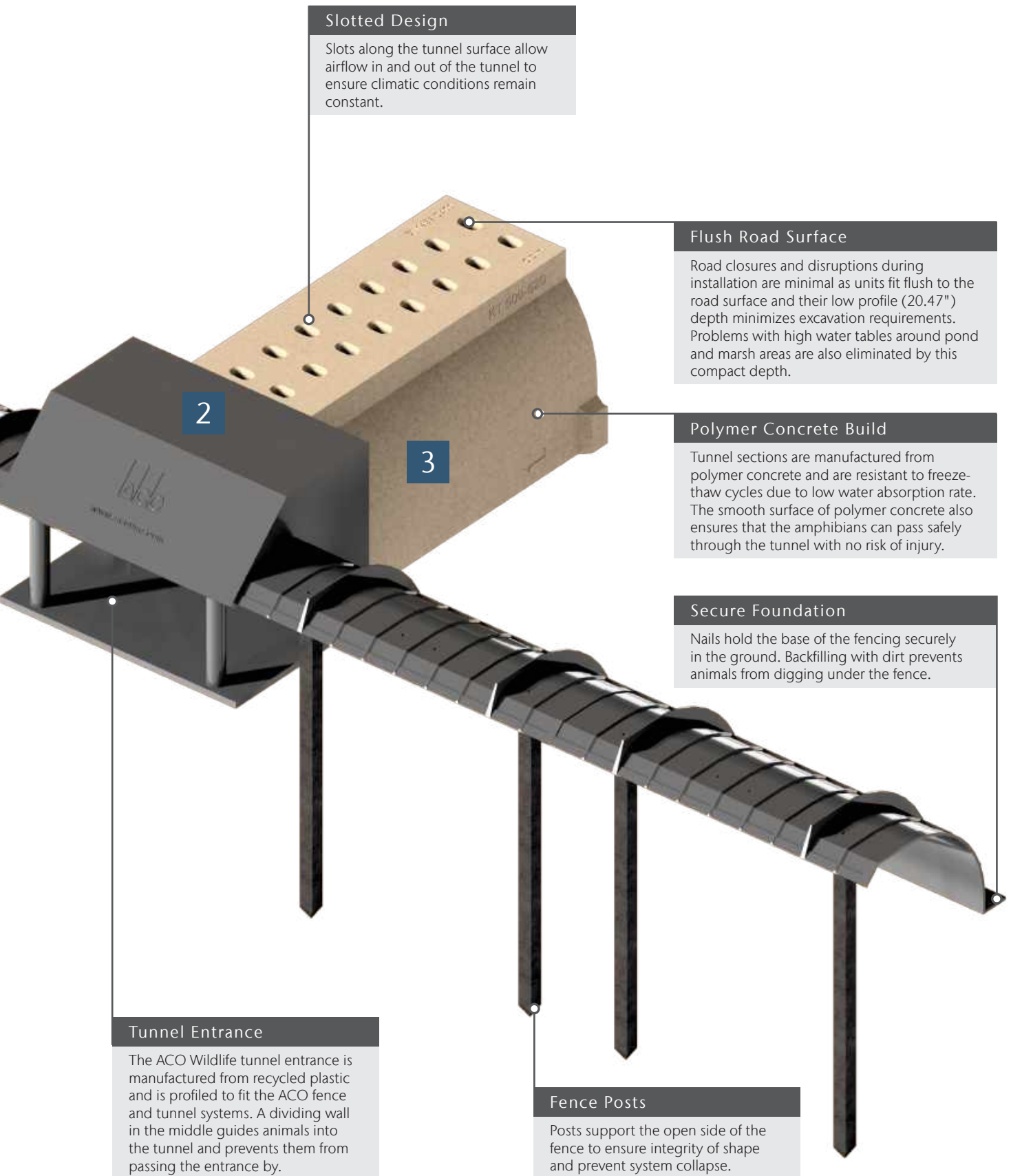
Fence Design

The curved shape of the fence helps prevent animals climbing over from the protected side while allowing animals to climb from the road and drop to safety. The curved shape also offers protection from natural predators and strong sunlight.



Optional Swallow Tail

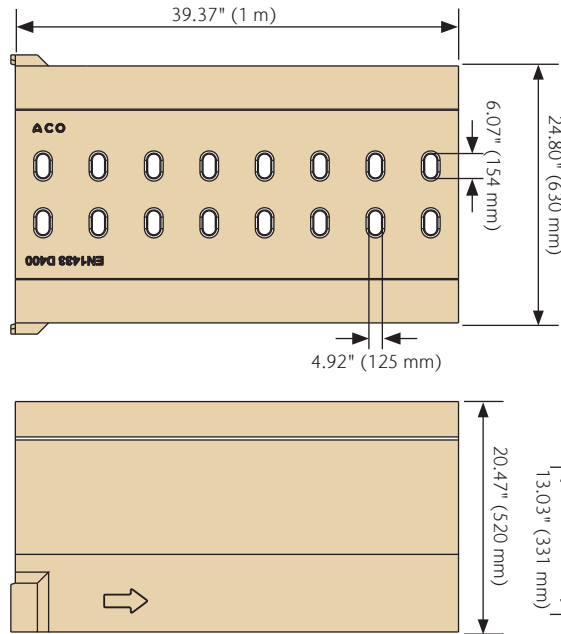
A swallow tail can be attached to the tunnel entrance dividing wall to further assist with the funneling of the amphibians into the tunnel. Bolts supplied by others.



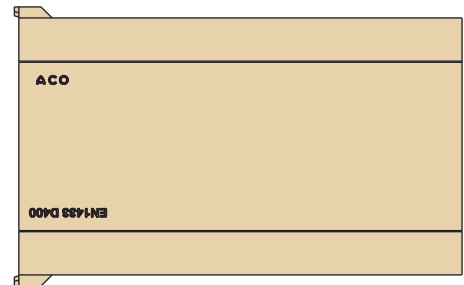
Tunnel and Fence Guidance System Parts

	Part No.	Length in (mm)	Width in (mm)	Height in (mm)	Weight lbs
WILDLIFE TUNNEL					
KT500 Tunnel	11120	39.37 (1000)	24.80 (630)	20.47 (520)	566.5
KT500 Tunnel - Solid Top	11122	39.37 (1000)	24.80 (630)	20.47 (520)	566.5
WILDLIFE TUNNEL ENTRANCE					
Tunnel Entrance Unit	99712	29.53 (750)	21.47 (545)	20.47 (520)	17.6
Swallow Tail (optional)	99707	78.74 (2000)	0.25 (6)	5.91 (150)	8.4
WILDLIFE FENCE					
Fence	99705	39.37 (1000)	20.67 (525)	17.20 (437)	17.6
Post	99708	30.00 (762)	1.57 (70)	-	2.5
Nail (20 count)	99710	7.00 (178)	Ø 0.25 (6)	-	1.5

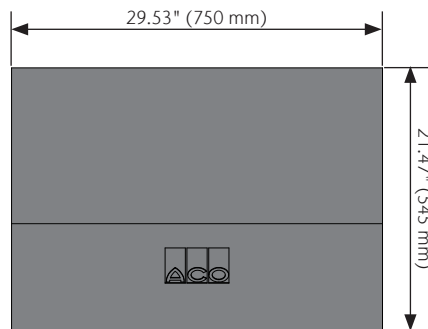
KT500 Tunnel
part no. 11120



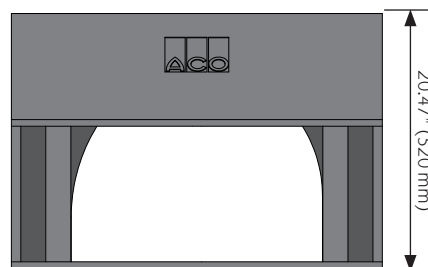
KT500 Tunnel - Solid Top
part no. 11122



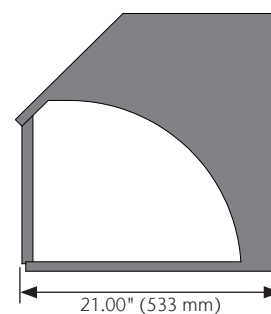
Tunnel Entrance Unit
part no. 99712



Front

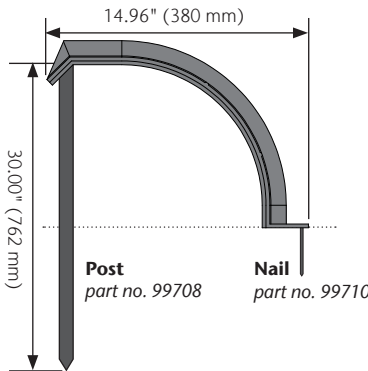
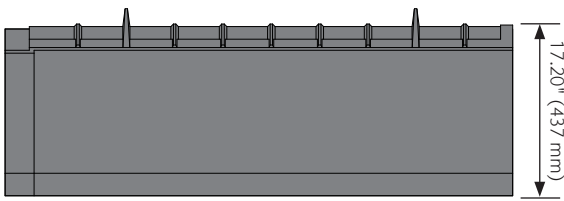
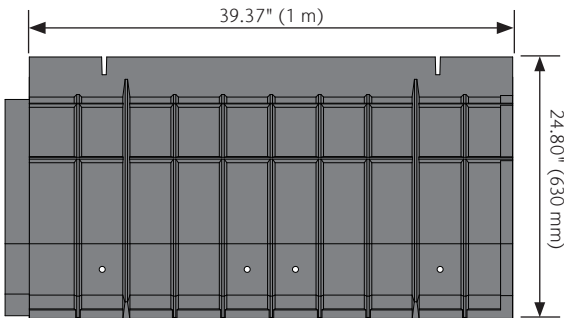


Side

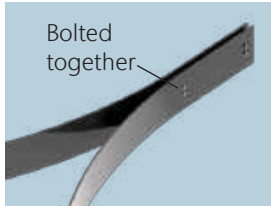
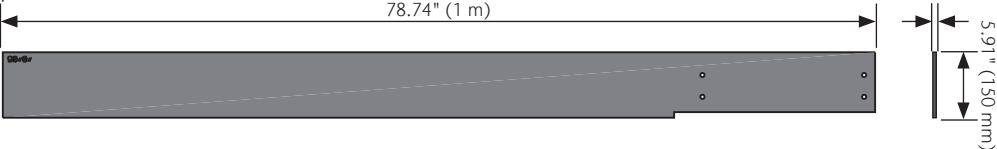


Note: Swallow tail can be installed into Tunnel Entrance Unit.

Fence
part no. 99705

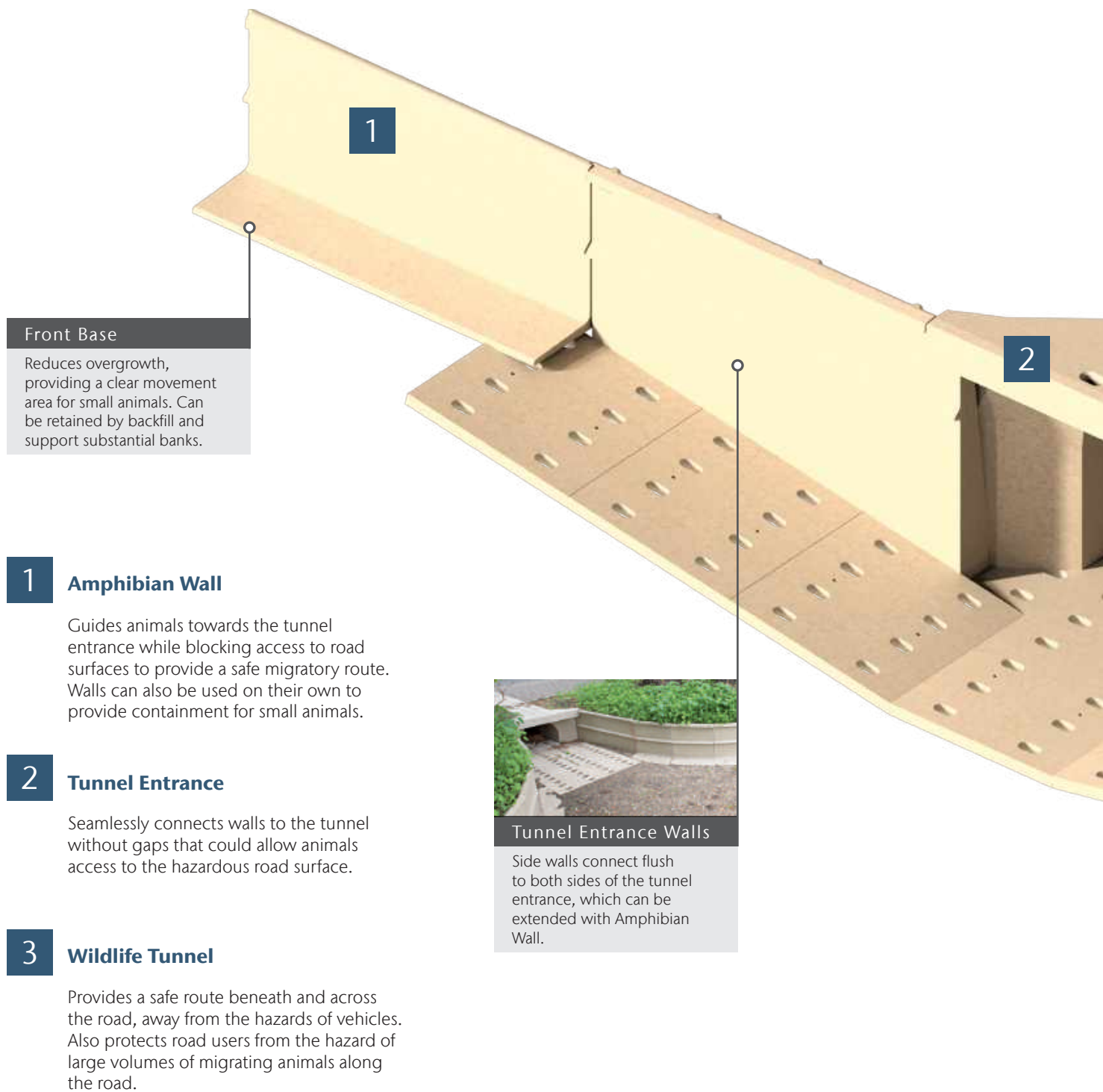


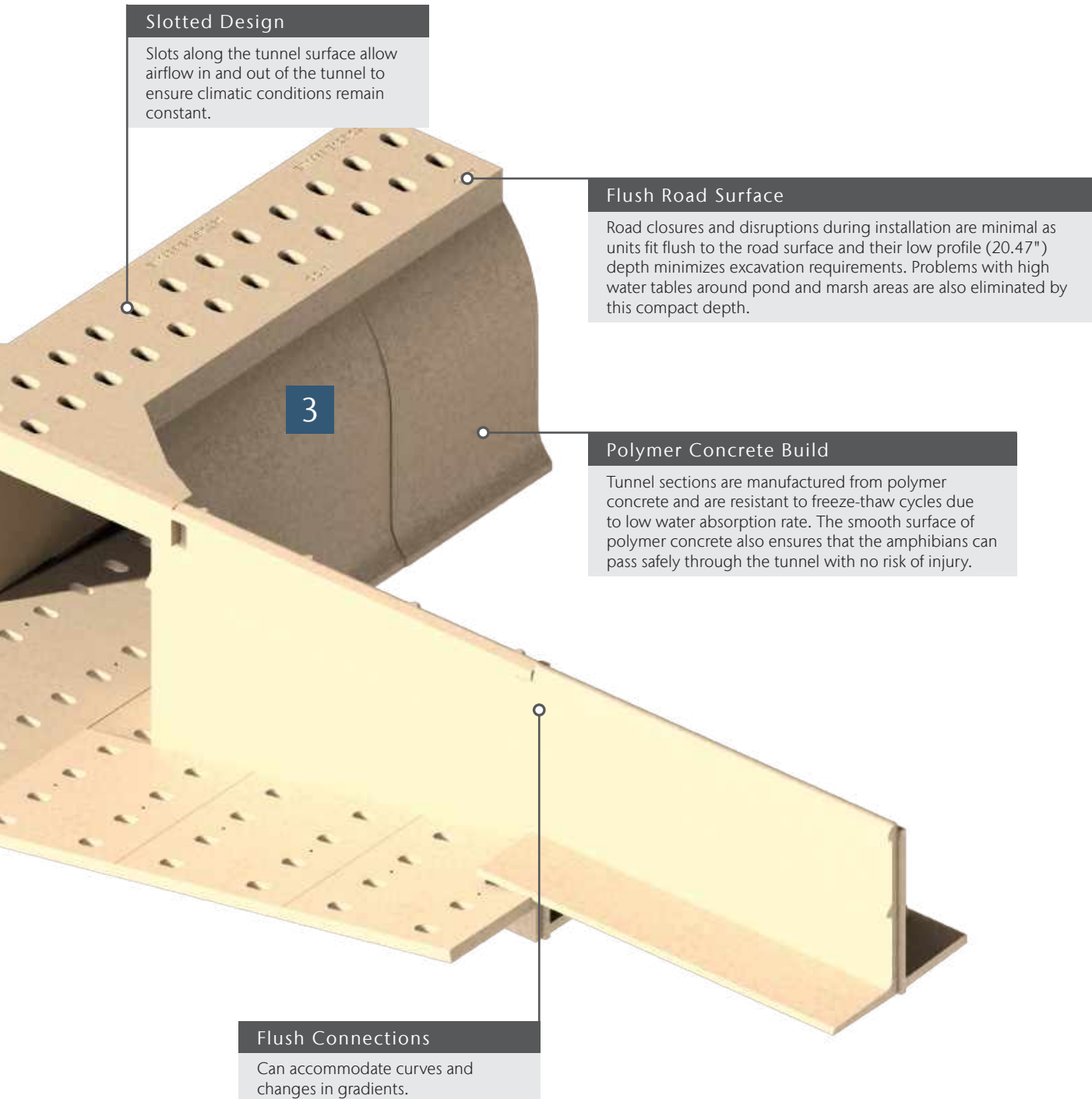
Swallow Tail (optional)
part no. 99707



Climate Tunnel

Features & Benefits

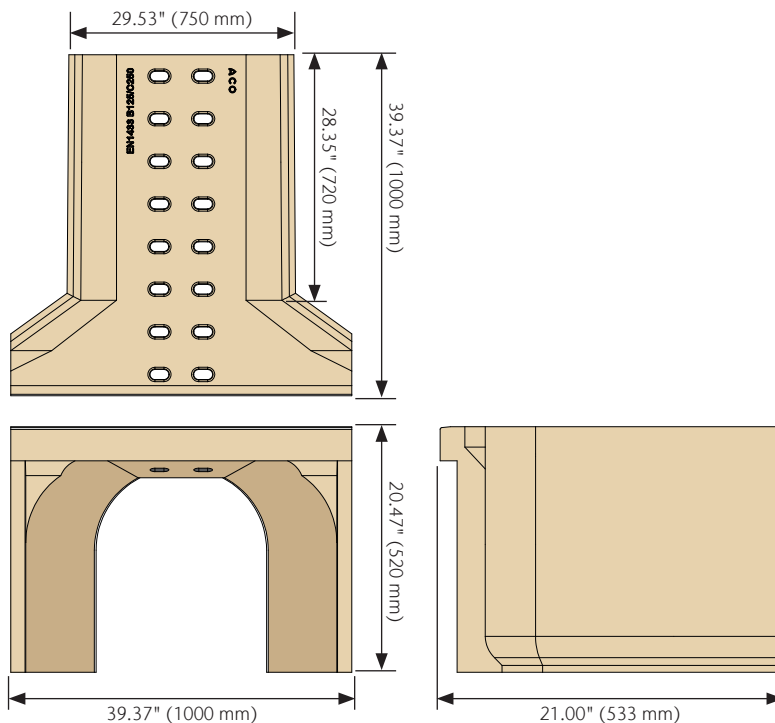




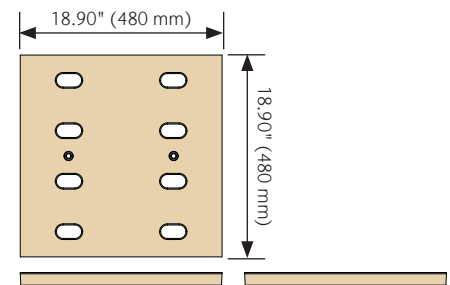
Climate Tunnel and Amphibian Wall Parts

	Part No.	Length in (mm)	Width in (mm)	Height in (mm)	Weight lbs
CLIMATE TUNNEL					
Climate Tunnel Entrance	11124	39.37 (1000)	39.37 (1000)	20.47 (520)	626.1
Climate Tunnel Entrance Right	11125	42.91 (1090)	11.77 (299)	28.35 (720)	148.8
Climate Tunnel Entrance Left	11126	42.91 (1090)	11.77 (299)	28.35 (720)	146.6
ACCESSORIES					
Climate Plate	11127	18.90 (480)	18.90 (480)	1.97 (50)	35.3
Stepdown Plate	11129	22.83 (580)	1.97 (50)	11.81 (300)	15.2
CLIMATE TUNNEL					
Amphibian Guide Wall	17845	39.37 (1000)	18.46 (469)	17.68 (449)	101.4
Amphibian Guide Wall - Inner Curve	18407	21.97 (558)	18.46 (469)	17.68 (449)	55.2
Amphibian Guide Wall - Outer Curve	18408	21.06 (535)	18.46 (469)	17.68 (449)	55.2
Amphibian Guide Wall - Ascending Element	18406	21.61 (539)	18.46 (469)	17.68 (449)	53.0
Amphibian Guide Wall - Cascading Element	18405	21.61 (549)	18.46 (469)	17.68 (449)	59.6

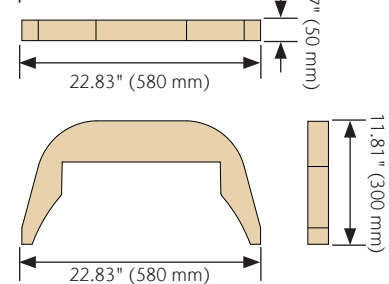
Climate Tunnel Entrance
part no. 11124



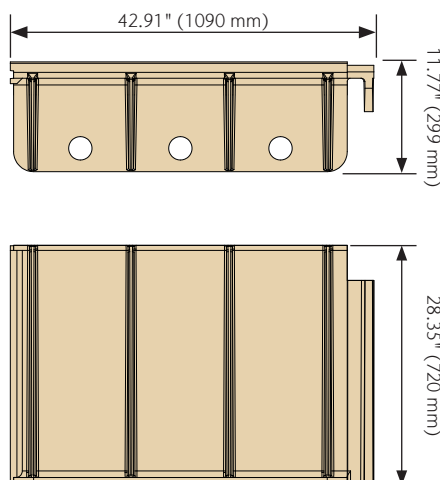
Climate Plate
part no. 11127



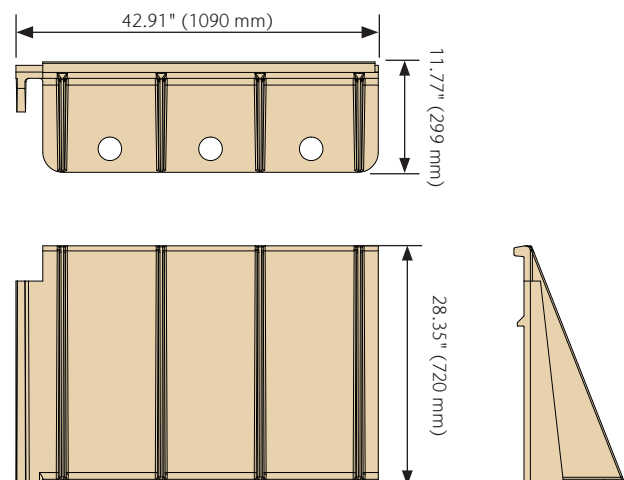
Stepdown Plate
part no. 11129



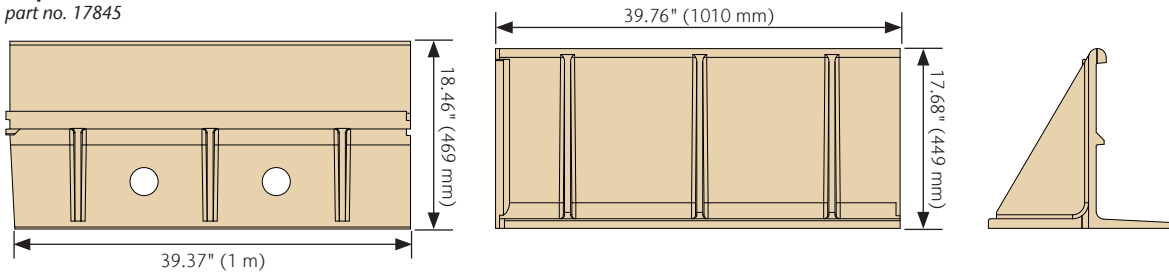
Climate Tunnel Entrance Right
part no. 11125



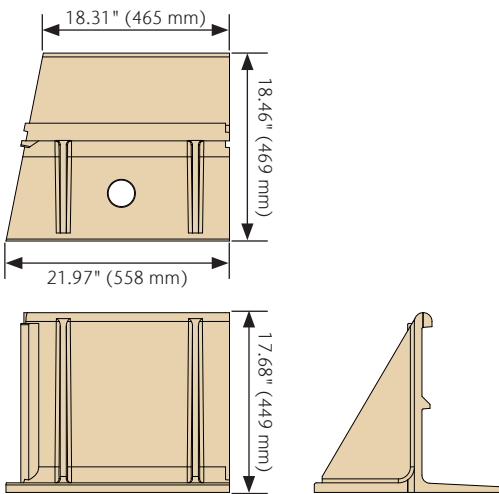
Climate Tunnel Entrance Left
part no. 11126



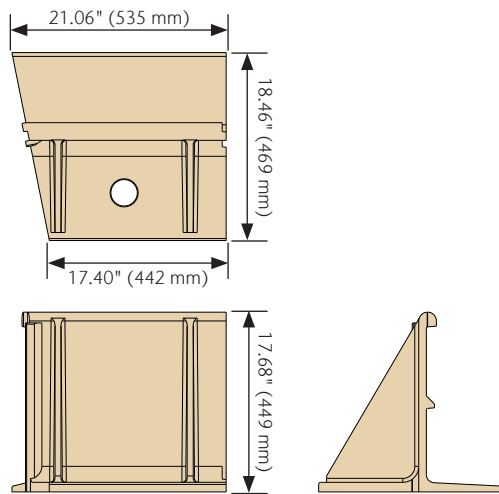
Amphibian Guide Wall
part no. 17845



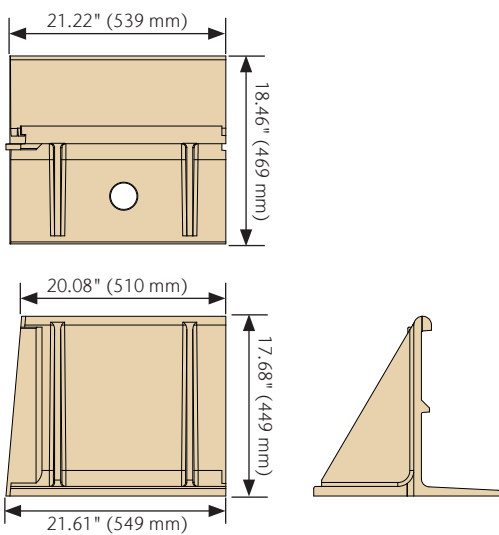
Amphibian Guide Wall - Inner Curve
part no. 18407



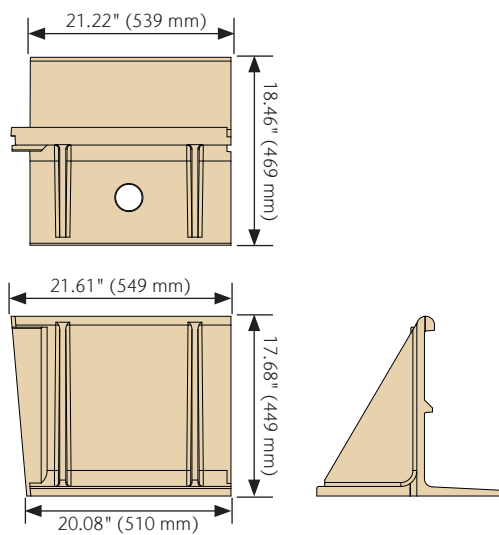
Amphibian Guide Wall - Outer Curve
part no. 18408



Amphibian Guide Wall - Ascending Element
part no. 18406



Amphibian Guide Wall - Cascading Element
part no. 18405



ACO products support the ACO System Chain



Surface Water Management

- ACO Drain - Commercial Trench Drains
- ACO Infrastructure - Heavy Duty Drainage
- ACO Sport - Athletic Venue Drainage
- ACO StormBrixx - Geocellular Tanks
- ACO Aquaduct - Custom Drainage
- ACO Environment - Solid & Oil Separators
- ACO Wildlife - Guidance & Passage
- ACO Self - Garden & Landscape Drainage
- ACO UtilityDuct - Ducting System

Building Drainage

- ACO Stainless - Stainless Trench Drains
- ACO BoxDrain - Stainless Hygienic Drains
- ACO FloorDrain - Stainless Point Drains
- ACO Pipe - Stainless Push-fit Piping
- ACO ShowerDrain - Bathroom Drainage

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