



# FORT LAUDERDALE AIRPORT EXPANSION

## Airports

### Retaining walls, Heavy load support

United States, Florida, Broward County



**Owner / Client :**  
Broward County Aviation  
Department

**Engineer :**  
Atkins

**Main contractor :**  
Odebrecht CFE Joint Venture

**Terre Armée entity :**  
The Reinforced Earth Company  
(United States)

**Date :**  
2014

**Activity :**  
Reinforced Earth

**System :**  
TA "Classic"

**Reinforcement :**  
HA / HAR steel strips

**Key figures :**  
Area : 28,564 m<sup>2</sup>  
Rise: 6 m



## The Project

The expansion project widens and lengthens the south runway and taxiway at the airport to keep pace with the increase of traffic at the Fort Lauderdale airport.

## The Solution

Use of 6mm rather than 4mm reinforcing strips reduced the strip quantity by 35% thereby improving on completion time.

## The Advantages

Special considerations were taken with the design to be capable of handling the exceptionally high load at aircraft landing and take-off . RECo's discrete ribbed metallic soil reinforcements were chosen due to their high strength, proven performance in tall wall applications, and ability to handle high loading conditions.

