

punchtype	
PK	<u>id</u>
	description

badge	
PK	<u>id</u>
	description

punch	
PK	<u>id</u>
FK3,I2	terminalid
FK1,I1	badgeid
	originaltimestamp
FK2,I3	punchtypeid

terminal	
PK	<u>id</u>
	description

department	
PK	<u>id</u>
	description
FK1,I1	terminalid

employee	
PK	<u>id</u>
FK1,I1	badgeid
	firstname
	middlename
	lastname
FK3,I2	employeetypeid
FK2,I3	departmentid
FK4,I4	shiftid
	active
	inactive

employeetype	
PK	<u>id</u>
	description

shift	
PK	<u>id</u>
	description
	start
	stop
	interval
	graceperiod
	dock
	lunchstart
	lunchstop
	lunchdeduct

