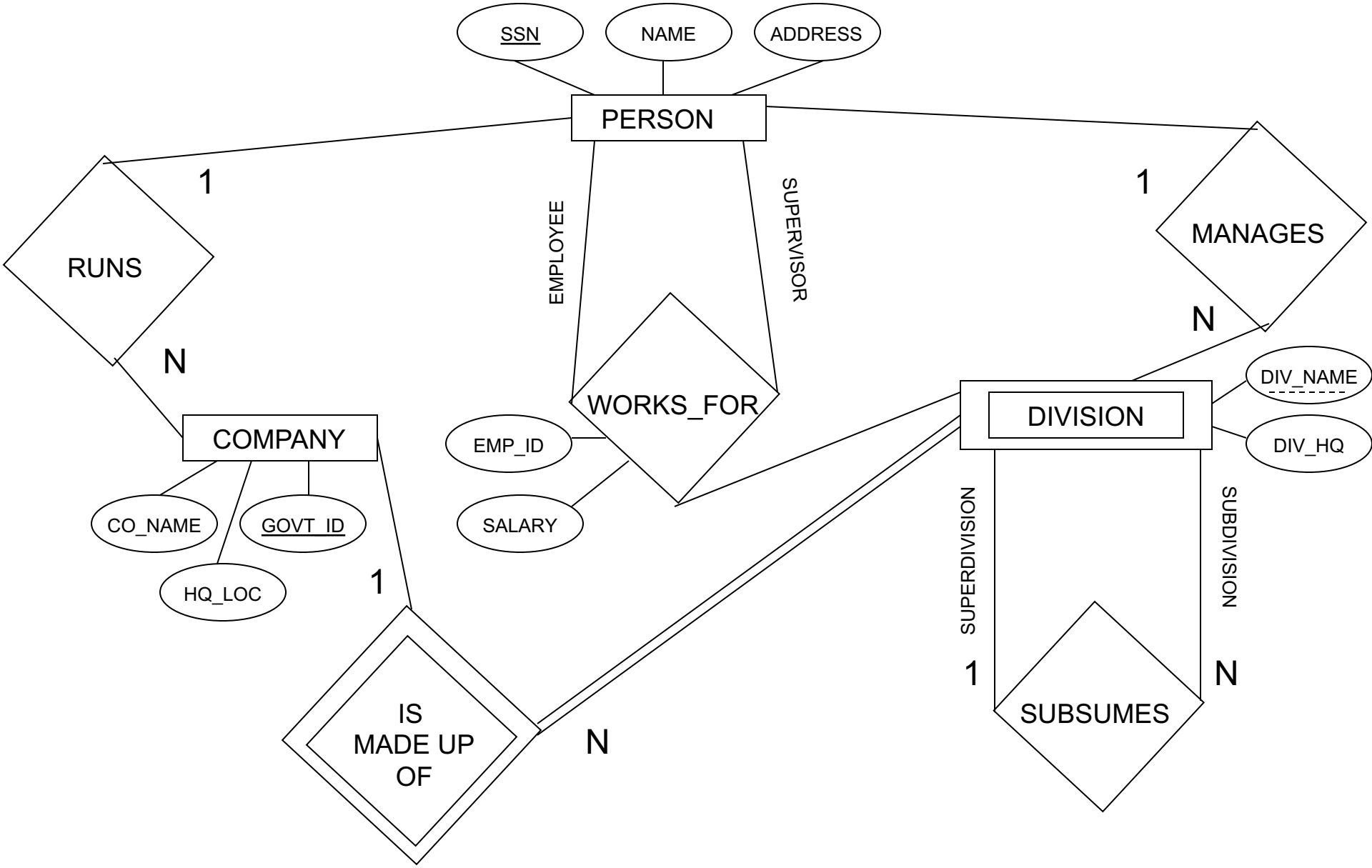
The database schema is as shown below

We have already translated the four table schemas shown in red to Produce the ER diagram on the next slide

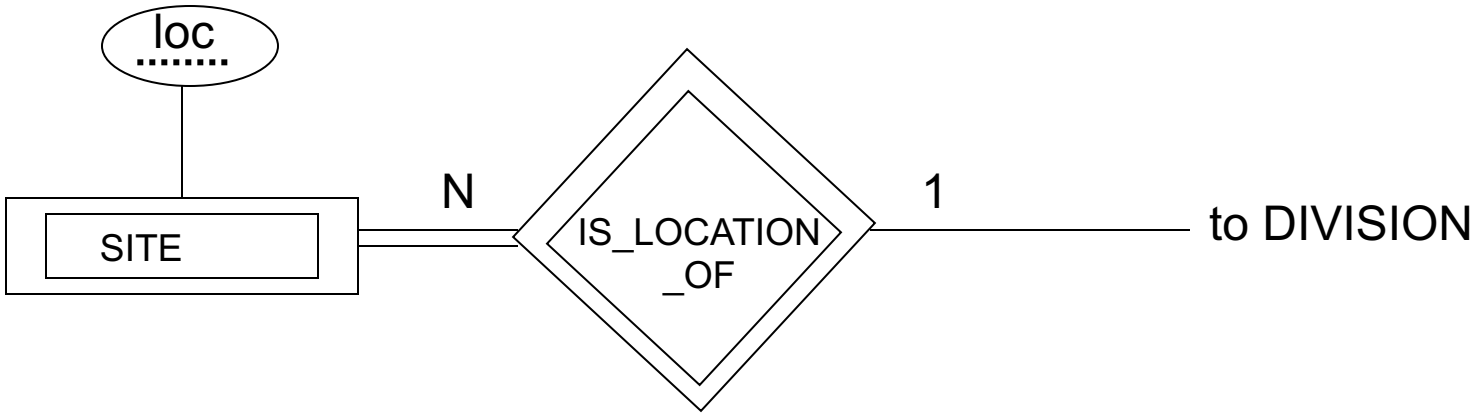
We still have to translate the three table schemas shown in black

company(co_name, govt_id, ceo_ssn, hq_loc)
division(co_id, div_name, subdiv_of, dir_ssn, div_hq)
site(co_id, div_name, loc)
product(prod_id, manuf_co, manuf_div, loc, prod_descr)
person(ssn, name, address)
works_for(ssn, co_id, div_name, salary, emp_id, sup_ssn)
skill(ssn, prod_id, manuf_co)


SSN
NAME
ADDRESS
PERSON
1
RUNS
N
EMPLOYEE
SUPERVISOR
WORKS_FOR
EMP_ID
SALARY
1
MANAGES
N
DIV_NAME
DIV_HQ
DIVISION
COMPANY
CO_NAME
GOVT_ID
HQ_LOC
1
IS
MADE UP
OF
N
SUPERDIVISION
1
SUBDIVISION
N
SUBSUMES

We'll start with site(co_id, div_name, loc)

Site gets part of its key from DIVISION, so



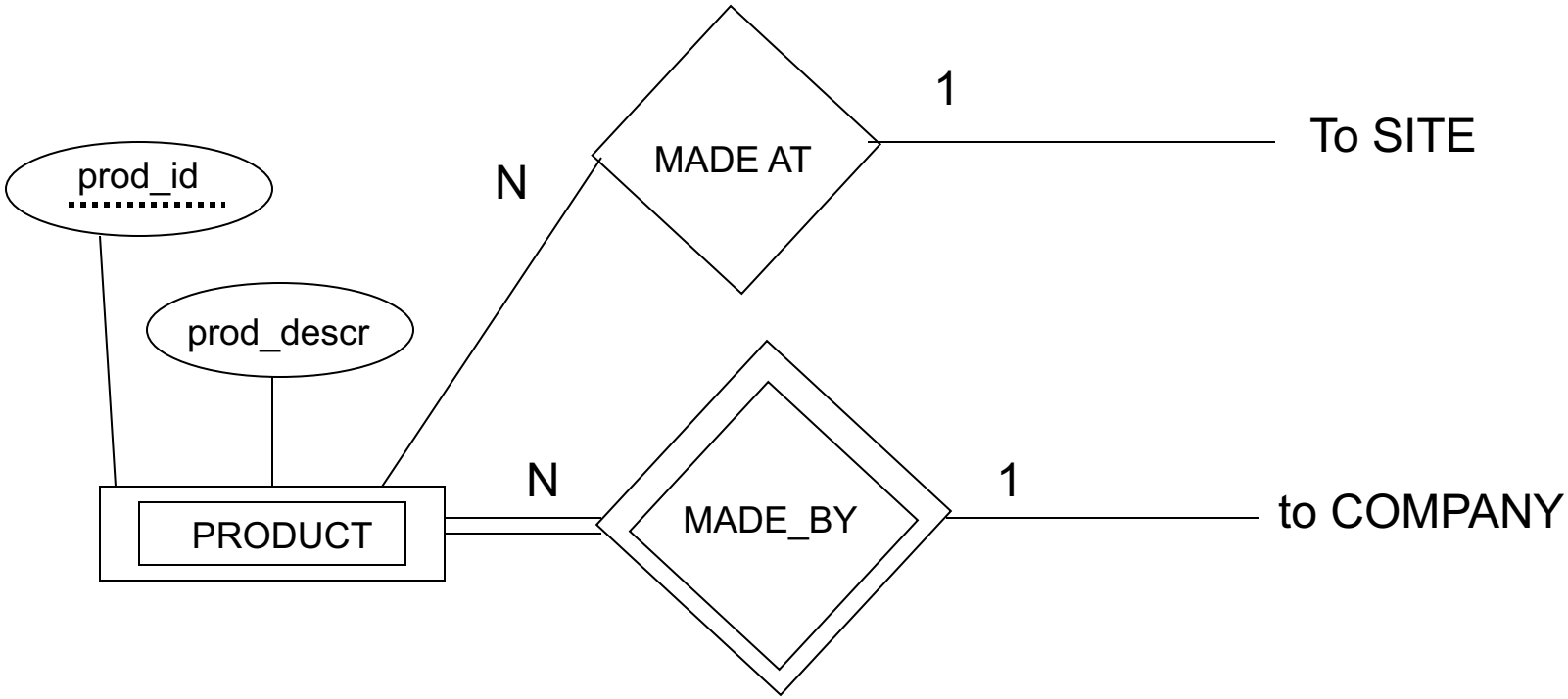
To save time, I'm not re-drawing the entire ER diagram,
But, rather, drawing the new part and showing where
And how it connects to the ER diagram in progress

We still have to translate the two table schemas shown in black

company(co_name, govt_id, ceo_ssn, hq_loc)
division(co_id, div_name, subdiv_of, dir_ssn, div_hq)
site(co_id, div_name, loc)
product(prod_id, manuf_co, manuf_div, loc, prod_descr)
person(ssn, name, address)
works_for(ssn, co_id, div_name, salary, emp_id, sup_ssn)
skill(ssn, prod_id, manuf_co)

We'll continue with product(prod_id, manuf_co, manuf_div, loc, prod_descr)

PRODUCT gets part of its key from COMPANY;



We still have to translate the table schema shown in black

company(co_name, govt_id, ceo_ssn, hq_loc)
division(co_id, div_name, subdiv_of, dir_ssn, div_hq)
site(co_id, div_name, loc)
product(prod_id, manuf_co, manuf_div, loc, prod_descr)
person(ssn, name, address)
works_for(ssn, co_id, div_name, salary, emp_id, sup_ssn)
skill(ssn, prod_id, manuf_co)

We'll finish with skill(ssn, prod_id, manuf_co)

SKILL gets part of its key from PERSON; and the rest from PRODUCT