

# Data Model

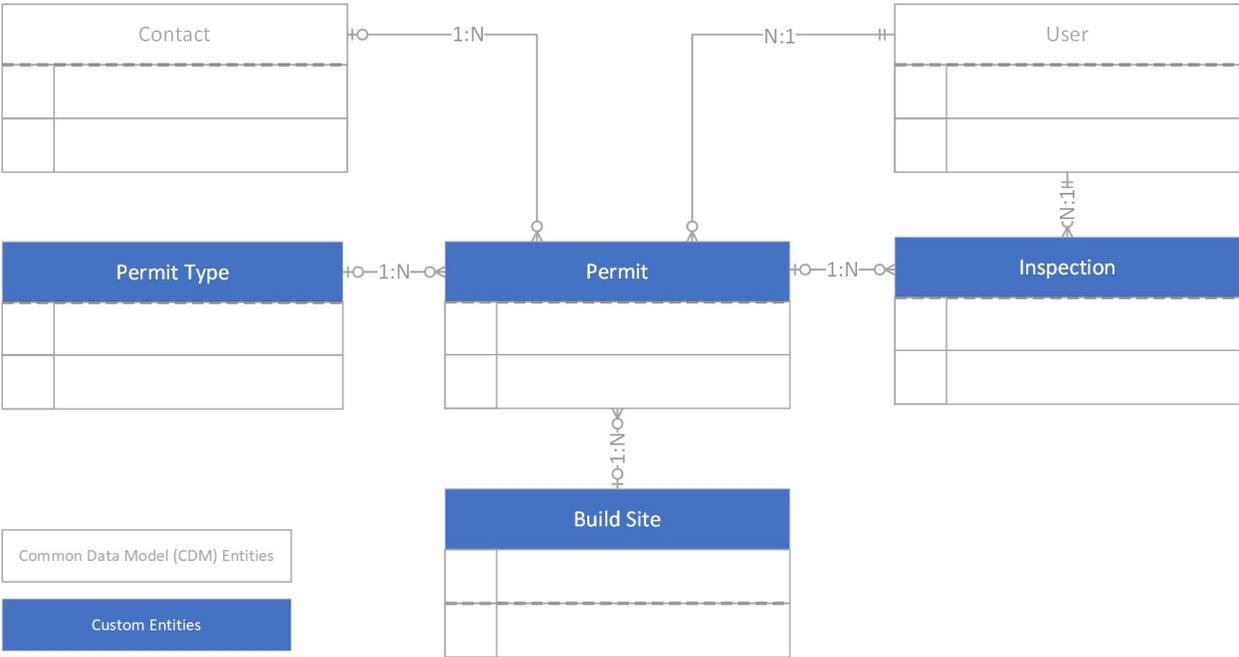


Figure 1. Entity relationship diagram

## Common Data Model Entities

These entities are created automatically when a database is provisioned.

### Contact

- Used to track permit holders

### User

- Will represent Inspectors and permit management users
- Inspections will be assigned to users

## Custom Entities

The table below lists all custom entities and their attributes. CDM attributes (out of the box) are only listed if there are changes required.

Entity	Field Name	Field Type	Values	Comments
Permit	Name	Text		Primary field
	Start Date	Date Only		Required
	Expiration Date	Date Only		
	New Size	Whole Number		

	Status Reason	Option Set	<ul style="list-style-type: none"> <li>- Active (default)</li> <li>- Locked</li> <li>- Completed</li> <li>- Canceled</li> <li>- Expired</li> </ul>	This is the Status Reason CDM attribute. Values listed are for Active Status.
	Contact	Lookup*		
	Build site	Lookup*		Parental relationship
	Permit type	Lookup*		Referential restrict delete
<b>Permit Type</b>	Name	Text		Primary field
	Require Inspections	Two Option	<ul style="list-style-type: none"> <li>- Yes</li> <li>- No (default)</li> </ul>	
	Require Size	Two Option	<ul style="list-style-type: none"> <li>- Yes</li> <li>- No (default)</li> </ul>	
<b>Build Site</b>	Street Address	Text		Primary field
	City	Text		Required
	ZIP/Postal Code	Text		Required
	State/Province	Text		Required
	Country/Region	Text		
<b>Inspection</b>	Name	Text		Primary field
	Permit	Lookup*		Parental
	Inspection Type	Option Set	<ul style="list-style-type: none"> <li>- Initial inspection (default)</li> <li>- Final Inspection</li> </ul>	
	Scheduled Date	Date Only		Required
	Comments	Text		
	Sequence	Text		This field will be used for inspection routing.
	Inspection Result	Option Set	<ul style="list-style-type: none"> <li>- New Request (default)</li> <li>- Pending</li> <li>- Passed</li> <li>- Failed</li> <li>- Canceled</li> </ul>	This is renamed CDM Status Reason field. Values are for Active Status.

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\* The lookup fields should be added via relationship and not via field. This ensures that advanced options can be reviewed, and behaviors set to match the data model.