

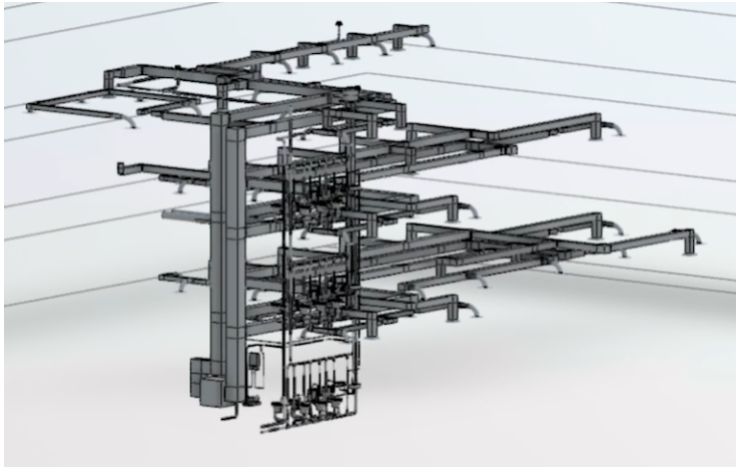
Project challenge exercise – Grading rubric

Create assets and document project communication

Using Forma Build, work with the provided **Systems model.rvt** to create project assets.

Scenario:

As a project engineer on a team, your goal is to identify plumbing components, create assets for key equipment, and use Forma Build communication tools to create an RFI, meeting, and correspondence.



Complete the required activities

- In the Settings page of Assets, add the **System model.rvt** (you may have completed this step if you followed the course, *Learn Forma Build in 90 minutes*).
- Create text-based custom fields named Classification, and another named Level to store additional asset information.
- Create a new asset category and name it Plumbing Fixtures, then add to it the custom fields you created.
- Import the Water Closets from the Systems model into Assets and verify that the correct asset categories and information are included.
- Map the asset name to the Revit Family Name, and the Classification field you created to the Classification Number field in Revit. Map the asset level to the Level property in Revit

- Verify that each imported asset contains the required information, including asset name, classification, and level. Update asset properties as needed to ensure the asset inventory can be used for project tracking.
- Set the status of all the plumbing fixtures on the first floor as Installed, the ones on the second floor as Delivered, and the ones on the third floor as Ordered.
- Create an RFI using the Default RFI Workflow type, assign the instructor in the Ball in Court field, and add all the Ordered assets as a reference.
- Create a meeting to discuss why the ordered assets are delayed. Add the instructor to the meeting, include a reference to the ordered assets and the RFI.
- Using the Correspondence tool, send a message to your instructor to remind them about the meeting. Include a reference to the ordered assets and the RFI.

Success criteria

- **Accurate asset creation:** All required plumbing components are imported from the Systems model, categorized correctly, and contain the required asset information and status updates.
- **Correct data configuration:** Custom fields, asset categories, and Revit parameter mappings are configured correctly to support asset tracking.
- **Complete project documentation:** The RFI, meeting, and correspondence are created correctly with the required references, participants, and asset information.

What to submit

- **Forma Build:** Your instructor has access to your work on Autodesk Forma for Construction so there is no need to submit anything beyond the required activities above.

Grading rubric

	Advanced	Proficient	Basic	Emerging
Asset creation and configuration	All required plumbing assets are created correctly, categorized as Plumbing Fixtures, mapped to the correct Revit parameters, and contain complete asset information.	Most required assets are created correctly with minor configuration or data issues.	Some assets are missing, incorrectly categorized, or contain incomplete information.	Assets are not created correctly or asset configuration is incomplete.
Asset data and status management	All asset properties, classifications, and floor-based status updates are accurate and correctly applied.	Most asset information and statuses are correct with minor inconsistencies.	Several asset properties or status updates contain errors or missing information.	Asset information is incomplete or statuses are not correctly applied.
Project communication records	RFI, meeting, and correspondence are complete, correctly referenced, and include all required participants and asset information.	RFI, meeting, and correspondence are created with minor missing details.	Some communication records are incomplete or missing required references.	Communication records are missing or do not demonstrate proper use of Forma Build tools.