3D Printed Concrete Reinforcement and Embedded Services Inspection Checklist

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Project	Location	Status

Date	Completed by

Design and coordination

No.	Done	Check / Requirement	Result	Notes / Evidence
1	☐	Current approved reinforcement/MEP coordination drawings identify the elements to be inspected.		
2	☐	The print file and intended layer/cavity arrangement accommodate the approved reinforcement and embeds.		

Reinforcement and anchors

No.	Done	Check / Requirement	Result	Notes / Evidence
3	☐	Required reinforcing bars, anchors or connectors have the approved type, size and grade.		
4	☐	Reinforcement positions, spacing, laps and cover/clearances satisfy the approved structural details.		
5	☐	Starter bars, connection hardware and required supports are correctly located and secured.		

Cavities and grout interfaces

No.	Done	Check / Requirement	Result	Notes / Evidence
6	☐	Required ducts and grout cavities remain accessible, unobstructed and dimensionally suitable.		
7	☐	Any prescribed grout preparation/placement stage and inspection prerequisites are satisfied before covering.		

MEP and openings

No.	Done	Check / Requirement	Result	Notes / Evidence
8	☐	Conduits, boxes, sleeves and penetrations are in the approved locations.		
9	☐	Embedded services and supports do not conflict with reinforcement, structural connections or the print path.		
10	☐	Required fire/water/air sealing and movement details are provided or identified for the correct follow-on stage.		

Evidence and release

No.	Done	Check / Requirement	Result	Notes / Evidence
11	☐	Photos/measurements identify the wall, elevation or layer before the work is concealed.		
12	☐	Critical deviations have been referred for designer/engineer disposition rather than field modification.		
13	☐	Required pre-concealment hold/witness inspections and release authorization have been recorded.		

Comments / Follow-up

Checklist guidance

Complete at a defined hold or witness visit before specified reinforcement, anchors, sleeves, boxes or other critical embedded items become concealed by printing, grouting or closing the wall. Inspect only the elements relevant to this visit and mark genuinely inapplicable checks N/A. Do not allow concealment where required engineering inspection or release is outstanding.

Tick the box when complete. Record Not done or N/A in Result and note any follow-up.