

# 1 Summary of Changes

Note – Changes are indicated with a change bar in the left margin. Items such as grammar corrections, added Unifomat descriptions, added Masterformat references, added or upgraded graphics, minor corrections/additions, etc. are marked with a bar not detailed in this section.

## 1.1 General notes

### 1.1.1 Non-Graphic Information

All calls for non-graphic information have been deleted from Part I and addressed in Part II

### 1.1.2 “No-fly zones”

Where zones that are not to be penetrated by other elements are required by code, operational, or structural considerations (door swings, electrical panel access clearance, foundation element areas or bearing influence, etc.), an item has been added to LOD 300 definitions calling for the zones to be either modeled to facilitate clash detection or accommodated by model-checking software.

### 1.1.3 Opening Elements (doors, windows, etc.)

Existing LOD 350 calls for modeling of rough opening deleted, moved to definitions of walls, floors, and roofs.

### 1.1.4 Openings and Penetrations in Walls and Similar Elements

- LOD 300 definitions have been adjusted to call for major openings such as windows, doors, and large mechanical elements to be modeled to nominal dimensions.
- LOD 350 definitions have been adjusted to call for all penetrations to be modeled to rough opening dimensions.
- Where elements such as MEP distribution components penetrate other elements such as walls, the existing LOD 350 calls for modeling of the penetration element itself (e.g. sleeves) have been clarified.

## 1.2 Specific Changes

Introduction		The Introduction has been removed and provided in a separate document – <i>LOD Spec 2017 Guide</i> . This Document also includes white papers on use of the spec.
Executive Summary		Added
Fundamental LOD Definitions – LOD 300		Call for element location added
<b>Unifomat</b>	<b>Omniclass</b>	
N/A	36-51 73 11 13 11 19	Spaces – Added
N/A	36-51 73 11 13 17 11	Horizontal Grids – Added
N/A	36-51 73 11 13 17 13	Vertical Levels - Added
A10	21-01 10	Foundations – LOD 200. Provision for location added
A1020.10.10	21-01 10 20 20	Helical Piles and Piers – Added
A4010	21-01 40 10	Standard Slabs-on-Grade – LOD 300. Provision for openings added.
B1020	21-02 10 20	Roof Construction – logic clarification added: <ul style="list-style-type: none"> <li>• If modeling roof as a single composite element including structure use B1020</li> <li>• If modeling individual layers as separate elements use: <ul style="list-style-type: none"> <li>○ B1020.10 Roof Structural Frame</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>○ B1020.20 Roof Decks, Slabs, and Sheathing</li> </ul>
B1020.20	21-02 10 20 20	Roof Decks, Slabs, and Sheathing – Detail added
B1080.70	21-02 10 80 70	Metal Walkways – Detail added
B2010	21-02 20 10	<p>Exterior Walls – logic clarification added:</p> <ul style="list-style-type: none"> <li>• If modeling wall as a single composite element use B2010</li> <li>• If modeling individual layers as separate elements use: <ul style="list-style-type: none"> <li>○ B2010.10 Exterior Wall Veneer</li> <li>○ B2010.20 Exterior Wall Construction</li> <li>○ B2010.30 Exterior Wall Interior Skin</li> </ul> </li> </ul>
B2010	21-02 20 10	Exterior Walls – LOD 350. Requirement for hosted objects to be at LOD 350 deleted.
B2010.20.10	21-02 20 10 10	Exterior Wall Construction (Wood) – Previously B2010
B2010.20.20	21-02 20 10 20	Exterior Wall Construction (Cold-Form Metal Framing) – Previously B2010
B2010.20.30	21-02 20 10 20 30	Exterior Wall Construction (Masonry) – Previously B2010
B2010.20.40	21-02 20 10 20 40	Exterior Wall Construction (Concrete) – Previously B2010
B2010.30	21-02 20 10 30	<p>Exterior Wall Interior Skin</p> <ul style="list-style-type: none"> <li>• LOD 100 – Changed to N/A</li> <li>• LOD 200 – Detail added</li> <li>• LOD 300 – Detail added</li> </ul>
B2020.30	21-02 20 20 30	Exterior Window Wall – LOD 300. “Structural support systems of wall to be modeled” deleted – addressed in wall element definitions
B3010	21-02 30 10	Roofing – Detail added
G1070.10	21-07 10 70 10	Grading – Added
N/A	23-13 23 11	Mechanical Fasteners – Added
N/A	23-13 31 17	Formwork - Added