



Department of Public Works and Highways
BUREAU OF DESIGN

**DPWH STANDARD SPECIFICATIONS OF
ARCHITECTURAL AND ENGINEERING
DESIGN SOFTWARE
(PERPETUAL)**

Issue Date: 8/7/06/23
Doc. Code: DPWH-BOD-DMD-
QMSF-11-PE
Revision No.: 2
Page No. 1 of 2

NAME OF SOFTWARE: Building Design and Modelling Software (BIM Authoring Software)

Purpose: Allows users to model and design multi-disciplined building information (Architectural, Structural, Mechanical, Electrical, Plumbing, and Fire protection system) on a single platform

TECHNICAL SPECIFICATIONS

DPWH - Bureau of Design

Master Copy

Control Date: 3/4/23
Signature: [Signature]

Unauthorized reproduction of this document is prohibited.

1. Software Licensing Model	Perpetual
2. License Access Management	Standalone (must be transferable)
3. Supported Operating System	Must operate in the current DPWH IT Infrastructure operating system or a lower version (i.e. Windows 8.1, 10, 11)
4. Maintenance	Three (3) years minimum on software upgrade to new version releases and maintenance releases, problem resolutions, bug fixes, and local technical support
5. Interoperability and Compatibility (preferable)	• with other Building Design and Modelling Software • with other CAD Software • with other GIS or Mapping applications/software
6. Functionalities	a. 2D & 3D Modelling/Drafting (Object-ready and User-defined) • Architectural • Structural • Mechanical • Electrical • Plumbing b. Visualization • Rendering • Animation • Viewing - 3D view - Section view - Camera View - Walkthrough c. Clash/Collision Detection

DPWH - Bureau of Design

Control Copy

Control Date: 3/4/23
Signature: [Signature]

Unauthorized reproduction of this document is prohibited.

9/6/21



Department of Public Works and Highways
BUREAU OF DESIGN

**DPWH STANDARD SPECIFICATIONS OF
ARCHITECTURAL AND ENGINEERING
DESIGN SOFTWARE
(PERPETUAL)**

Issue Date:	11/16/2011
Doc. Code:	DPWH-BOD-DMD- QMSF-11-PE
Revision No.:	2
Page No.	2 of 2

7. File Output

- CAD (e.g. DXF, .dwg) (preferable)
- PDF
- Image/Photo
- Walkthrough Animation
- IFC file

8. Miscellaneous

a. Training

- Comprehensive (with actual application on DPWH projects)
- Implementation plan (invitation, course design, and schedule)
- Logistics (resource speaker, venue, materials, food, and training equipment such as laptops/desktops)
- Completion report (participant's attendance, feedback report, a roster of participants with numerical ratings, and certificate of completion of training acknowledged by the implementing office)

b. Documentation

- Physical installers (CD/DVD, USB, or External Hard drive)
- Installation Guide
- Manuals

c. Product Demonstration

Conducted prior to bidding

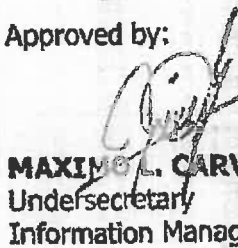
Prepared by:


SIRAWA L. SANGCOPAN
Division Chief
Design Management Division

Checked by:


DANILO L. BALISI
Director IV
Bureau of Design

Approved by:


MAXIM L. CARVAJAL
Undersecretary
Information Management and Technical Services