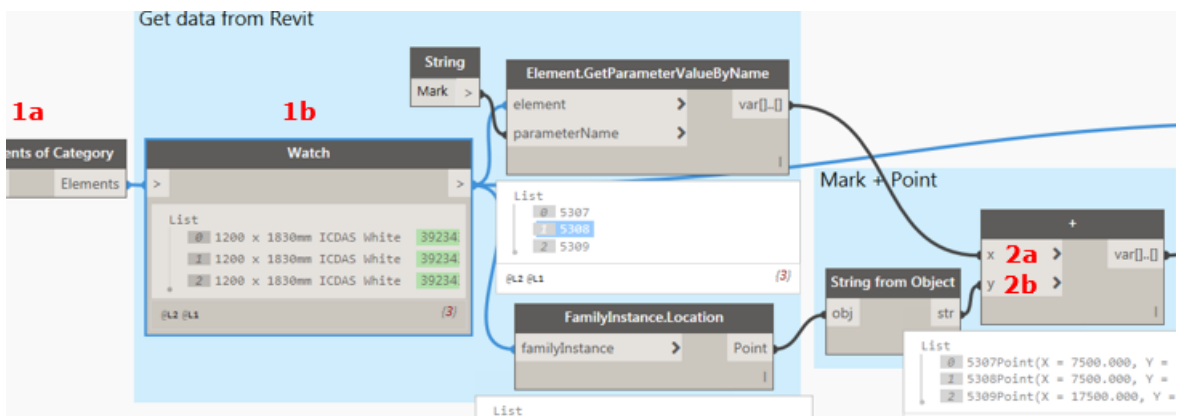
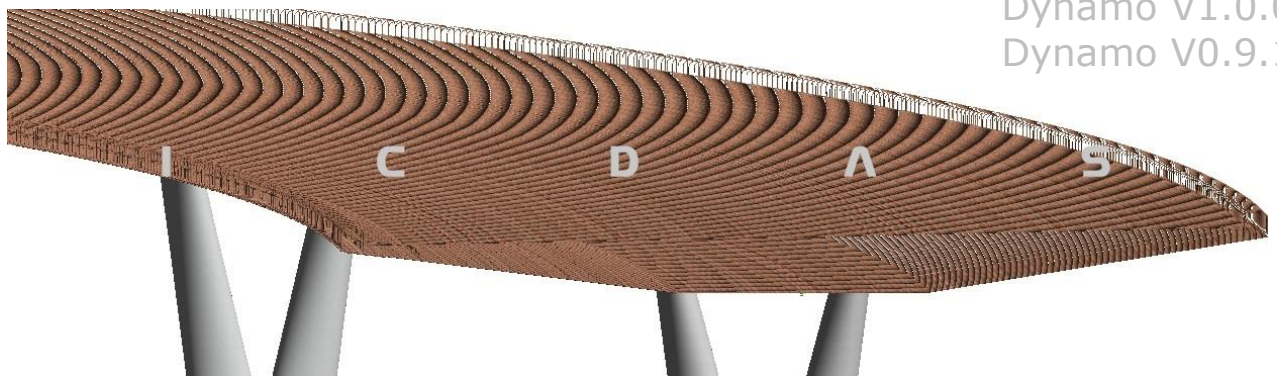


Dynamo V1.3.3
Dynamo V1.3.2
Dynamo V1.3.1
Dynamo V1.2.1
Dynamo V1.2.0
Dynamo V1.1.0
Dynamo V1.0.0
Dynamo V0.9.1



2018
2017
2016
2015
2014
2013

Bridges & Parametric Buildings

User's Manual

Revit Building Interface

Family

Dynamo

Material



Overview

Welcome to ICDAS DYNAMO Manual for Revit.

This manual has been created during creation of both buildings and bridges in our website.

The manual yields the following four main issues:

- > Explanations of Dynamo folders and nodes, the basic structures.
- > 16 Dynamo code files for buildings incl. documentation of nodes
- > Examples on double curved concrete bridges with Dynamo code files, workflow of Dynamo files *.dyn, Revit family files *.rfa and ICDAS Excel input for the bridge alignment.

Management of Dynamo packages in a previous projects/stages helps you to improve application of new projects and to update the previous stages as well. It is also a matter of the order of installation. E.g. BIM4Struc.Rebar V1.2.5 package must be install after BIM4Struc.BridgeDesign V1.2.1, and currently 1.3.3. Further, all functions in each package are described in relation to ICDAS Excel input.

Dynamo code files for buildings are for the users with beginning skill level. It can be used for any existing building model. These code files provide additional help on automatic model creation using ICDAS Parametric Buildings (FRBL models).

Dynamo code files for bridges are for the users with medium and high skill level, especially relating geometry of curved concrete bridge deck. Dynamo BIM4Struc.Rebar package vs. Free Form Rebar Distribution from Revit 2018.1 is introduced. The new package Dynabridge V0.0.7 in Revit 2018.2 is also introduced. All of Dynamo features have add automated functions in ICDAS Bridges and they are outlined in this manual.

The manual is in general a 'working manual' including also e-mails exchanges with specialists from Autodesk Dynamo regarding stirrups in double curved concrete deck during development of Dynamo.

The manual is constantly updating in step with Dynamo new updated packages. If you are a subscriber who needs a new specific updated package, then the manual will provide an overview of the existing packages until we outline the latest version updating.

ICDAS.

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