UF_ROUTE_bend_radius_method_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_bend_radius_method_t
- UF_ROUTE_bend_radius_method_p_t

Overview
Bend corner creation methods.

Data Members

UF_ROUTE_bend_radius_method_radius

UF_ROUTE_bend_radius_method_ratio_to_diameter

UF_ROUTE_bend_radius_method_bend_radius_table

UF_ROUTE_bend_radius_method_inner_radius

UF_ROUTE_branch_path_numbering_sequence_method_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_branch_path_numbering_sequence_method_t
- UF_ROUTE_branch_path_numbering_sequence_method_p_t

Overview
Used by the Branch Path Numbering plugin.
See UFD_Routing_BranchPathNumbering.cxx for an example plugin.

Data Members

UF_ROUTE_branch_path_numbering_sequence_numbers
1, 2, 3,.....

UF_ROUTE_branch_path_numbering_sequence_upper_case
A, B, C,.....

UF_ROUTE_branch_path_numbering_sequence_lower_case
a, b, c,.....

UF_ROUTE_duct_calculator_errors_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_duct_calculator_errors_t
- UF_ROUTE_duct_calculator_errors_p_t

Overview

The duct size calculator plugins use this enumeration to tell the duct size calculator dialog about any errors that may occur in a plugin.

Data Members

UF_ROUTE_DUCT_ERROR_OK = 0
No errors.

UF_ROUTE_DUCT_NO_PLUGIN_FOUND
Cannot find the plugin. Verify the plugin configuration in the application view file.

UF_ROUTE_DUCT_CANT_CALCULATE
Cannot calculate all of the values given the input parameters.

UF_ROUTE_duct_parameter_types_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_duct_parameter_types_t
- UF_ROUTE_duct_parameter_types_p_t

Overview

The duct size calculator dialog uses this enumeration to tell the plugin which parameter the dialog is sending to the plugin. The plugin should then calculate the value for this parameter.

Data Members

UF_ROUTE_DUCT_HEIGHT
maps to the height parameter of the duct

UF_ROUTE_DUCT_WIDTH
maps to the width parameter of the duct

UF_ROUTE_DUCT_ASPECTRATIO
maps to the Aspect ratio of the duct

UF_ROUTE_DUCT_EQUIVALENT_DIAMETER
maps to the equivalent diameter of the rectangular or flat oval duct

UF_ROUTE_DUCT_DIAMETER
maps to the diameter of the circular duct

UF_ROUTE_DUCT_AREA
maps to the area parameter of the duct

UF_ROUTE_DUCT_VELOCITY
maps to the velocity parameter of the duct

UF_ROUTE_DUCT_VOLFLOWRATE
maps to the volume flow rate parameter of the duct

UF_ROUTE_DUCT_SHAPE_CHANGE
This enum member indicates that the user has changed the shape,
so the parameters needs to be recalculated

UF_ROUTE_DUCT_DEFAULT
If no parameter is defined, default calculations will be done.

UF_ROUTE_duct_reinforcement_types_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_duct_reinforcement_types_t
- UF_ROUTE_duct_reinforcement_types_p_t

Overview
The plugin for Duct Reinforcement uses this enumeration to tell the dialog
the type of reinforcement to create

Data Members

UF_ROUTE_DUCT_REINFORCEMENT_TYPE_NONE
No reinforcement needs to be created on the selected duct

UF_ROUTE_DUCT_REINFORCEMENT_TYPE_INSIDE
Inside reinforcement needs to be created on the selected duct

UF_ROUTE_DUCT_REINFORCEMENT_TYPE_OUTSIDE
Outside reinforcement needs to be created on the selected duct

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UF_ROUTE_duct_segment_attribute_status_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_duct_segment_attribute_status_t
- UF_ROUTE_duct_segment_attribute_status_p_t

Overview
The duct size calculator plugins use this enumeration to tell the duct size calculator
dialog about the attributes on the selected segments.

Data Members

UF_ROUTE_DUCT_EMPTY_ATTRIBUTES
None of the selected segments have attributes.

UF_ROUTE_DUCT_ATTRIBUTES_NOT_EQUAL

The selected segments have attributes whose values don't match.

UF_ROUTE_DUCT_VALID_ATTRIBUTES
All of the selected segments have valid attributes.

UF_ROUTE_duct_shape_e (view source)

Defined in: uf_route.h

Also known as:
- UF_ROUTE_duct_shape_t
- UF_ROUTE_duct_shape_p_t

Overview
The duct size calculator dialog use this enumeration to tell the duct size calculator plugin the shape of the duct being calculated.

Data Members

UF_ROUTE_DUCT_RECTANGULAR

UF_ROUTE_DUCT_CIRCULAR

UF_ROUTE_DUCT_FLATOVAL