Load Items: Wind and Snow Load

Functions

afx_msg VARIANT	**OSLoadUI::AddWindLoad** (const VARIANT FAR &varTypeNo, const VARIANT FAR &varDirection, const VARIANT FAR &dFraction, const VARIANT FAR &varOpenStructure, const VARIANT FAR &dYMIN, const VARIANT FAR &dYMAX, const VARIANT FAR &dZMIN, const VARIANT FAR &dZMAX, const VARIANT FAR &dXMIN, const VARIANT FAR &dXMAX) Adds a wind load.

Detailed Description

These functions are related to Wind and Snow Load application and pre-calculation.

Function Documentation

◆ AddWindLoad()

```
VARIANT OSLoadUI::AddWindLoad ( const VARIANT FAR & varTypeNo,
                                const VARIANT FAR & varDirection,
                                const VARIANT FAR & dFraction,
                                const VARIANT FAR & varOpenStructure,
                                const VARIANT FAR & dYMIN,
                                const VARIANT FAR & dYMAX,
                                const VARIANT FAR & dZMIN,
                                const VARIANT FAR & dZMAX,
                                const VARIANT FAR & dXMIN,
                                const VARIANT FAR & dXMAX )
```

Adds a wind load.

Parameters

[in] **varTypeNo** Wind Definition Type number ID.

[in] **varDirection** Wind load direction:

Value	Direction
1	Global X
3	Global Z
4	Global -X
6	Global -Z

[in] **dFraction** factor to be used to multiply the wind loads. Negative signs may be used to indicate opposite direction of resulting load (default=1.0)?

[in] **varOpenStructure** Open-type of structure (= **TRUE**), closed-type of structure (= **FALSE**).

[in] **dYMIN** Ymin of GLOBAL Y range in which Wind load applied (assume Y axis is vertical).

[in] **dYMAX** Ymax of GLOBAL Y range in which Wind load applied (assume Y axis is vertical).

[in] **dZMIN** Zmin of GLOBAL Z range in which Wind load applied (assume Y axis is vertical).

[in] **dZMAX** Zmax of GLOBAL Z range in which Wind load applied (assume Y axis is vertical).

[in] **dXMIN** Xmin of GLOBAL X range in which Wind load applied (assume Y axis is vertical).

[in] **dXMAX** Xmax of GLOBAL X range in which Wind load applied (assume Y axis is vertical). For additional information, please refer to Section 5.31.3 of the Technical Reference manual.

0 OK.

-1 General error.

C++ Syntax

```
// Add Wind Definition Type #1 to global -X with factor 1.0 to open-type structure at
       whole range of walls.
VARIANT RetVal = OSLoadUI::AddWindLoad(1, 2, -1, TRUE, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0);
```

VBA Syntax

```
' Add Wind Definition Type #1 to global -X with factor 1.0 to open-type structure at
       whole range of walls.
Dim RetVal As VARIANT = OSLoadUI.AddWindLoad(1, 2, -1, TRUE, 0.0, 0.0, 0.0, 0.0, 0.0,
       0.0)
```