

Errors

Error Class	Description	Error Code
OsErrorBase	Base class for all custom OpenSTAAD-related errors.	(base class, no code)
OsError	Raised for a general, unspecified OpenSTAAD error.	-1
OsUnableToCreateProp	Raised when a property cannot be created in OpenSTAAD.	0
OsInvalidArgument	Raised when an invalid argument is provided to an OpenSTAAD function.	-100
OsMultidimArrayExpected	Raised when a multidimensional array is expected but not provided.	-106
OsArrayExpected	Raised when an array is expected but not provided.	-107
OsArraySizeSmall	Raised when an array is too small for the operation.	-108
OsArraySizeZero	Raised when an array of size zero is encountered.	-109
OsNoBeamPlateSolidSelected	Raised when no beam, plate, or solid is selected in the model.	-110
OsDoubleExpected	Raised when a double (float) value is expected but not provided.	-112
OsIntegerExpected	Raised when an integer value is expected but not provided.	-113
OsArraySizeLessThanReqd	Raised when an array is smaller than the required size.	-125
OsFileAlreadyExists	Raised when a file already exists and the operation cannot proceed.	-1003

Error Class	Description	Error Code
OsNodeNotFound	Raised when a node is not found in the model.	-2001
OsErrorAddNode	Raised when an error occurs while adding a node.	-2004
OsNoNodeSelected	Raised when no node is selected in the model.	-2005
OsInvalidNodeNo	Raised when an invalid node number is provided.	-2006
OsCannotFindMember	Raised when a member (beam) cannot be found in the model.	0
OsBeamNotFound	Raised when a beam is not found in the model.	-3001
OsBeamAlreadyExists	Raised when a beam already exists and the operation cannot proceed.	-3002
OsIdenticalBeamAlreadyExists	Raised when an identical beam already exists in the model.	-3003
OsErrorAddBeam	Raised when an error occurs while adding a beam.	-3004
OsNoBeamSelected	Raised when no beam is selected in the model.	-3005
OsPlateNotFound	Raised when a plate is not found in the model.	-4001
OsErrorAddPlate	Raised when an error occurs while adding a plate.	-4004
OsNoPlateSelected	Raised when no plate is selected in the model.	-4005

Error Class	Description	Error Code
OsInvalidPlateNo	Raised when an invalid plate number is provided.	-4006
OsInvalidPlateNoFound	Raised when an invalid plate number is found in the model.	-4008
OsNoValidPlateNoFound	Raised when no valid plate number is found in the model.	-4009
OsSolidNotFound	Raised when a solid is not found in the model.	-5001
OsErrorAddSolid	Raised when an error occurs while adding a solid.	-5004
OsNoSolidSelected	Raised when no solid is selected in the model.	-5005
OsMeshNotFound	Raised when a mesh is not found in the model.	-5603
OsInvalidPropRef	Raised when an invalid property reference is provided.	-6001
OsLibErrorCreateProp	Raised when a library error occurs while creating a property.	-6003
OsProfileNotFound	Raised when a profile is not found in the property library.	-6004
OsProfileDataNotFound	Raised when profile data is not found in the property library.	-6005
OsInvalidSectionType	Raised when an invalid section type is provided.	-6006
OsInvalidAssignType	Raised when an invalid assign type is provided.	-6008

Error Class	Description	Error Code
OsLibErrorBetaAssign	Raised when a library error occurs while assigning beta.	-6009
OsNoPropAttached	Raised when no property is attached to an element.	-6022
OsMaterialNotFound	Raised when a material is not found in the property library.	-6023
OsNoPropDefined	Raised when no property is defined in the model.	-6025
OsUptCreateFailed	Raised when UPT (User Provided Table) creation fails.	-6031
OsAddUptSectionFailed	Raised when adding a UPT section fails.	-6032
OsUptSectionExists	Raised when a UPT section already exists.	-6045
OsGroupAlreadyExists	Raised when a group already exists in the model.	-7001
OsInvalidLoadDirection	Raised when an invalid load direction is provided.	-8001
OsLoadCaseNotFound	Raised when a load case is not found in the model.	-8002
OsCreateLoadFailed	Raised when creating a load fails.	-8004
OsLoadExists	Raised when a load already exists in the model.	-8029
OsSeismicCodeNotFound	Raised when a seismic code is not found in the model.	-8034
OsInvalidLoadDefId	Raised when an invalid load definition ID is provided.	-8039

Error Class	Description	Error Code
OsInvalidLoadCombName	Raised when an invalid load combination name is provided.	-8040
OsInvalidLoadCombCategory	Raised when an invalid load combination category is provided.	-8041
OsBeamForcesNotLoaded	Raised when beam forces are not loaded in the results.	-9004
OsNoGnlResultSet	Raised when no GNL (Geometric Nonlinear) result set is found.	-9911
OsMemberUpdated	Raised when a member is updated in the model.	3007
OsPmemberNotFound	Raised when a physical member is not found in the model.	-5701