Sub ChangeStyle**()**

Dim oIDWDoc As DrawingDocument

oIDWDoc **=** ThisApplication.ActiveDocument

Dim ViewLblTxtStyle As TextStyle **=** Nothing

Dim TxtStyle As TextStyle **=** Nothing

Dim oDimStyle As DimensionStyle **=** Nothing

Dim HTNoteStyle As Style **=** Nothing

Dim FCFrameStyle As FeatureControlFrameStyle **=** Nothing

'first we need to determine the index of the selected item by comparing its name to those available in the document.

Try

'assign dimensionstyles

Dim oIDWStyles As Inventor.DrawingStylesManager

oIDWStyles **=** oIDWDoc.StylesManager

For i **=** **1** To oIDWStyles.DimensionStyles.Count

If oIDWStyles.DimensionStyles.Item**(**i**).**Name Like m\_combobox1.Text Then

oDimStyle **=** oIDWDoc.StylesManager.DimensionStyles.Item**(**i**)**

End If

Next

'assign TextStyles to Viewlabels

For i **=** **1** To oIDWStyles.TextStyles.Count

If oIDWStyles.TextStyles.Item**(**i**).**Name **=** "My Label Text (ISO)" Then

If m\_combobox1.Text Like "\*My\*" Then

ViewLblTxtStyle **=** oIDWStyles.TextStyles.Item**(**i**)**

Exit For

End If

ElseIf oIDWStyles.TextStyles.Item**(**i**).**Name Like "Label Text (ISO)" Then

If m\_combobox1.Text Like "\*FRAME\*" Then

ViewLblTxtStyle **=** oIDWStyles.TextStyles.Item**(**i**)**

Exit For

End If

End If

Next

'assign Textstyles (works for HoleThreadNotes too!)

For i **=** **1** To oIDWStyles.TextStyles.Count

If oIDWStyles.TextStyles.Item**(**i**).**Name **=** "My Note Text (ISO)" Then

If m\_combobox1.Text Like "\*My\*" Then

TxtStyle **=** oIDWStyles.TextStyles.Item**(**i**)**

Exit For

End If

ElseIf oIDWStyles.TextStyles.Item**(**i**).**Name Like "Note Text (ISO)" Then

If m\_combobox1.Text Like "\*FRAME\*" Then

TxtStyle **=** oIDWStyles.TextStyles.Item**(**i**)**

Exit For

End If

End If

Next

'assign FeatureControlFrame Styles

For i **=** **1** To oIDWStyles.FeatureControlFrameStyles.Count

If oIDWStyles.FeatureControlFrameStyles.Item**(**i**).**Name **=** "My Feature Control Frame (ISO)" Then

If m\_combobox1.Text Like "\*My\*" Then

FCFrameStyle **=** oIDWStyles.FeatureControlFrameStyles.Item**(**i**)**

End If

ElseIf oIDWStyles.FeatureControlFrameStyles.Item**(**i**).**Name **=** "Feature Control Frame (ISO)" Then

If m\_combobox1.Text Like "\*FRAME\*" Then

FCFrameStyle **=** oIDWStyles.FeatureControlFrameStyles.Item**(**i**)**

End If

End If

Next

'assign HoleThreadNote Styles

'This might be doing the same this as when we assign dimensionstyles above,

'but since they are different types, I think it best to leave this in place.

For i **=** **1** To oIDWStyles.Styles.Count

If oIDWStyles.Styles.Item**(**i**).**Name **=** "My Default (ISO)" Then

If m\_combobox1.Text Like "\*My\*" Then

HTNoteStyle **=** oIDWStyles.Styles.Item**(**i**)**

End If

ElseIf oIDWStyles.Styles.Item**(**i**).**Name **=** "FRAME Default (ISO)" Then

If m\_combobox1.Text Like "\*FRAME\*" Then

HTNoteStyle **=** oIDWStyles.Styles.Item**(**i**)**

End If

End If

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the assigning of styles!"**)**

End Try

Dim oSheets As Sheets **=** oIDWDoc.Sheets

For Each osheet As Sheet In oSheets

Try

If osheet.DrawingDimensions.Count **>** **0** Then

'General Dimensions

For Each GenDim As GeneralDimension In osheet.DrawingDimensions

GenDim.Style **=** oDimStyle

Next

'Baseline Dimension Sets

Dim BLDimSets As BaselineDimensionSets **=** osheet.DrawingDimensions.BaselineDimensionSets

Dim j As Integer

If BLDimSets.Count **>** **0** Then

For j **=** **1** To BLDimSets.Count

Dim tmpstr As String **=** BLDimSets.Item**(**j**).**Style.Name

BLDimSets.Item**(**j**).**Style **=** oDimStyle

Next j

End If

End If

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the dimension style switch!"**)**

End Try

' the following items should run whether there are dimensions present on the drawing or not:

'Layers

Try

If m\_combobox1.Text Like "\*My\*" Then

' we need to turn off the layers called "FRAME"

For Each Layer As Layer In oIDWDoc.StylesManager.Layers

If Layer.Name Like "\*FRAME\*" Then

Layer.Visible **=** False

ElseIf Layer.Name Like "\*My\*" Then

Layer.Visible **=** True

End If

Next

ElseIf m\_combobox1.Text Like "\*FRAME\*" Then

' we need to turn off the layers called "My"

For Each Layer As Layer In oIDWDoc.StylesManager.Layers

If Layer.Name Like "\*My\*" Then

Layer.Visible **=** False

ElseIf Layer.Name Like "\*FRAME\*" Then

Layer.Visible **=** True

End If

Next

End If

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the layer switch over!"**)**

End Try

'DrawingNotes - Encapsulates the following:

' BendNotes

Try

For i **=** **1** To osheet.DrawingNotes.BendNotes.Count

Dim BendNote As BendNote **=** osheet.DrawingNotes.BendNotes.Item**(**i**)**

BendNote.DimensionStyle **=** oDimStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Bend Note Style switch over!"**)**

End Try

' ChamferNotes

Try

For j **=** **1** To osheet.DrawingNotes.ChamferNotes.Count

Dim ChmfrNote As ChamferNote **=** osheet.DrawingNotes.ChamferNotes.Item**(**j**)**

ChmfrNote.DimensionStyle **=** oDimStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Chamfer Note Style switch over!"**)**

End Try

' GeneralNotes

Try

For i **=** **1** To osheet.DrawingNotes.Count

If osheet.DrawingNotes.Item**(**i**).**Type **=** ObjectTypeEnum.kGeneralNoteObject Then

Dim GenNote As GeneralNote **=** osheet.DrawingNotes.GeneralNotes.Item**(**i**)**

GenNote.TextStyle **=** TxtStyle

End If

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the General Note Style switch over!"**)**

End Try

' HoleThreadNotes

Try

For j **=** **1** To osheet.DrawingNotes.HoleThreadNotes.Count

Dim HTNote As HoleThreadNote **=** osheet.DrawingNotes.HoleThreadNotes.Item**(**j**)**

HTNote.Style **=** HTNoteStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Hole Thread Note Style switch over!"**)**

End Try

' LeaderNotes

Try

For j **=** **1** To osheet.DrawingNotes.LeaderNotes.Count

Dim LdrNote As LeaderNote **=** osheet.DrawingNotes.LeaderNotes.Item**(**j**)**

LdrNote.DimensionStyle **=** oDimStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Leader Note Style switch over!"**)**

End Try

' PunchNotes

Try

For i **=** **1** To osheet.DrawingNotes.PunchNotes.Count

Dim PunchNote As PunchNote **=** osheet.DrawingNotes.PunchNotes.Item**(**i**)**

PunchNote.DimensionStyle **=** oDimStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Punch Note Style switch over!"**)**

End Try

'FeatureControlFrames

Try

For i **=** **1** To osheet.FeatureControlFrames.Count

Dim FCFrame As FeatureControlFrame **=** osheet.FeatureControlFrames.Item**(**i**)**

FCFrame.Style **=** FCFrameStyle

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the Feature Control Frame Style switch over!"**)**

End Try

' Viewlabels

Try

For i **=** **1** To osheet.DrawingViews.Count

Dim DwgView As DrawingView **=** osheet.DrawingViews.Item**(**i**)**

If DwgView.ShowLabel **=** True Then

DwgView.Label.TextStyle **=** ViewLblTxtStyle

End If

Next

Catch ex As Exception

MsgBox**(**ex.Message**,** MsgBoxStyle.Exclamation**,** "An Error has occured during the View Label Style switch over!"**)**

End Try

Next

End Sub