Functions of Utility (easy) Command Handler(01/04/22)

1. GetElem—Command -26
2. Input Params – One – enter Element type as in API\_WallID
3. Returns – Element Guid in String Form
4. Must click on the element type Specified
5. GetValue—Command - 26
6. Input Params – Two – Element Type (API\_WallID) & Property Name – in that order
7. Returns -- Value in String Form
8. Must click on Type of and the element desired
9. GetParams – Command - 26
10. Input Params – One – Element Type of Form - i.e. API\_WallID
11. Returns – Writes Available AutoText Properties to Session Report; Returns success or fail
12. Must click on Type of and the element desired
13. GetProjInfo – Command - 26
14. Input Params – None
15. Returns – Writes Project Info Properties to Session Report. Returns success or fail
16. Auto Completes
17. GetPoint – Command – 26
18. Input Params – None
19. Click on point in plan
20. Returns x &y points in String form in a list
21. GetSelected – Command - 26
22. Input Params – None
23. Must pre-select Elements before hand
24. Return – Guids of Elements in the order selected in a list.
25. Returns Array for each element –[ Guid , Layer, Floor, Element ID, Element Type]
26. SetProjInfo – Command -26
27. Input Params - Two – Property Name then Value
28. Returns – success or fail
29. For Project Info Only- Project Info Names are in all caps & no spaces
30. Overwrites existing keys only
31. GetProjValue – Command - 26
32. Input Params – one – Property Name
33. Returns – Value in String form
34. Input must be in string form =See Keys above
35. GetValueFromGuid – Command -26
36. Input Params – two- Guid (use string) and AutoText property Key Name (string)
37. Returns Property Value. Must have previous Guid of relevant Element
38. Guid and Key are in String Form – key is the same as in Archicad Labels
39. GetElemList – Command - 26
40. Input Params – one – Element Type i.e. API\_LabelID or API\_TextID
41. Returns Guid list of Elements of specified Type in a list.
42. Returns Only Types not available to Python API such as Label and Text.
43. Use native Python Functions for supported Types.
44. Label returns guid of label, guid of attached object, Text, Element ID of Object, Object Type
45. Warning – works only with autotext label – will throw exception with other labels
46. SetLabelText – Command - 25
47. Input Params – Four – Label Guid,’API\_LabelID, AutoText Property Key ( include <PROPERY-key>)(string),fontsize(string)
48. Returns Success or Fail
49. For Existing Associated AutoText labels only (API\_LabelID)
50. Changes selected AutoText Label values
51. To set a AutoText label value – you must first use the <> key for the value.
52. Use GetAutoText with FALSE to obtain the <> key or list with GetParams
53. GetAutoText – Command - 26
54. Input Params – Guid of Associated Label and Label status (TRUE/FALSE)
55. Returns Value or AutoText Property Key of selected Label
56. For Associated AutoText Labels only (API\_LabelID)
57. TRUE returns value; FALSE Returns Property Key of value
58. ChangeText – Command
59. Input Params – Text Box Guid in String Form, ‘API\_TextID’, new text.
60. Changes Text Label – can not exceed 254 char; \n is permissible.
61. Text Boxes only (API\_TextID)
62. CreateText – Command – 26 (Font Size???)
63. Input – Text and font size in mm
64. Creates text box label (API\_TextID) at the clicked Point
65. CreateLabel\_Associative – Command - 26
66. Input – String or key, font size(string)mm
67. Click on selected element, then first, mid, last arrow points
68. Can use Keys
69. ChangeLabelText – Command
70. Input – two – guid & text
71. Changes the text of a selected label
72. For API\_LabelID’s
73. Deprecated = Use SetLabelText
74. GetQuantity – Command - 26
75. Input Params – Three – Element Guid, Element Type i.e. API\_WallID, value name
76. Gets quantity values from selected Element.
77. Value name must be as listed in API Quantity Structure.
78. For Walls, Slabs, Doors & Windows Only.
79. CalcQuantities – Command - 26
80. Input – Click a Element
81. Returns – quantities, composites & guids of composites
82. Not all Element types included
83. CalcComponentQuantities – Command -26
84. Input – Click a Element
85. Returns – Properties of the Elements Components
86. Not All Elements included
87. GetComponets – Command - 26
88. Input – Click a Element
89. Returns – Guids of Elements Components
90. CreateLabel\_Associative – Command – See 15
91. Input – two - text & fontsize(string)
92. Click on a Element and second, third points for arrow.
93. Returns success – no error checking
94. Creates a associative label – can use text or property keys
95. If line returns are embedded, must double click on label to re-size text box(bug).
96. ChangeCatCode – Command =26
97. Input – two – Zone guid and zone category name to change the zone to
98. Use GetSelected to get guid of zone to be changed
99. GetBMAtt -Command -26
100. Input – one – name of Building Material attribute
101. Returns a list of all user defined properties for that BM Attribute
102. SetMSG – Command – 26
103. Input – one – Text Message
104. Uses alert box – No Scrolls – If message is to long, will be off screen
105. GetDialog - Command -26
106. Input One – Text Message- recognizes line returns
107. Uses standard Archicad Text box with Scrolls.
108. Font size not available - bug