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

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