```
icc2 shell> man report floorplan rules
    2. Synopsys Commands
                                                                Command Reference
3
                                report floorplan rules
4
5
    NAME
6
           report floorplan rules
7
                  Reports the floorplan rules in the design.
8
9
    SYNTAX
10
           status report floorplan rules
11
                  [-object types type list]
                  [-lib cells lib cells]
12
13
                  [rule list]
14
15
       Data Types
16
           type list list
17
           lib_cells collection
           rule list list
18
19
20
   ARGUMENTS
21
           -object types type list
22
                  Specifies the list of object types for which some floorplan
23
                  rules are defined. Floorplan rules that have specified object
24
                  types in their -from_object_types or -to_object_types or
25
                  -object types will be reported. Valid values for this option are
                  block boundary, core area, hard_macro, placement_blockage, rout-
26
27
                  ing blockage, shape, soft macro and std cell area. This option
28
                  is mutually exclusive with rule list.
29
30
           -lib cells lib cells
31
                  Specifies the collection of library cells for which some floor-
32
                  plan rules are defined. Floorplan rules that have specified
33
                  library cells in their -from lib cells or -to lib cells or
                  -lib_cells options are reported. This option is mutually exclu-
34
35
                  sive with the rule list option.
36
37
           rule list
38
                  Specifies the list of floorplan rule names to report. This
39
                  option is mutually exclusive with the -object types
40
                  -lib cells options.
41
42
   DESCRIPTION
43
           The report floorplan rules command generates a report of existing
44
           floorplan rules in a design based on specified input parameters. For a
           matching floorplan rule, the command reports all applicable parameters
45
46
           of that rule in a tabular format. It will not report those parameters
           that are not applicable for that rule. On successful reporting the com-
47
48
           mand returns a status of 1.
49
50
           The rule_list option is mutually exclusive with other
                                                                          options
51
           -object types and -lib cells. If a named rule in rule list does not
52
           exist or no rule exists for the specified object types or library
53
           cells, the tool issues a warning message.
54
55 EXAMPLES
56
           The following example tries to report two floorplan rules named e2 and
57
           ab out of which ab does not exist.
58
59
             prompt> report floorplan rules {e2 ab}
60
61
             Warning: Floorplan rule 'ab' does not exist.
62
63
             Report : report floorplan rules
64
             Design : ABCD
65
             Version: M-2016.12-SP2-BETA
66
             Date : Thu Jan 12 12:29:56 2017
67
             ************
68
```

69

```
71
             ______
                               enclosure Max Value
 72
             e2
                                        Min Value
 73
 74
                                        Offset
 75
                                        Step
                                        Valid Range 3 - 20 Forbidden List 4, 6, 8
 76
 77
                                        From Object Types std cell area
 78
                                        To Lib Cells lc1, lc2, lc3
 79
 80
                                        Must Enclose
                                                         true
 81
                                        Sides
                                                         vertical
 82
 83
             1
 84
 85
           The following example tries to report floorplan rules for
 86
           std_cell_area object type and library cell lc4. Since no floorplan rule
           exists for library cell lc4, the tool issues a warning message and
 87
 88
           prints floorplan rule for object type std_cell_area.
 89
 90
             prompt> report floorplan rules -object types std cell area -lib cells \
 91
                [get lib cells */lc4]
 92
 93
             Warning: No floorplan rules exists for given lib cells.
             ************
 94
 95
             Report : report floorplan rules
 96
             Design : ABCD
 97
             Version: M-2016.12-SP2-BETA
 98
             Date : Thu Jan 12 12:29:56 2017
 99
             ************
100
101
             ______
102
                              Type Parameters
103
                              enclosure Max Value 214748
104
             e2
105
                                        Min Value
106
                                        Offset
107
                                        Step
                                        Valid Range 3 - 20
Forbidden List 4, 6, 8
108
109
110
                                        From Object Types std cell area
                                        To Lib Cells lc1, lc2, lc3
Must Enclose true
111
112
113
                                        Sides
                                                         vertical
114
115
             1
116
117
    SEE ALSO
118
      remove floorplan rules (2)
119
          set_floorplan_area_rules(2)
120
          set floorplan enclosure rules (2)
121
          set floorplan extension rules (2)
122
          set floorplan forbidden rules (2)
123
          set floorplan halo rules (2)
124
          set floorplan length rules (2)
125
          set_floorplan_spacing_rules(2)
126
          set_floorplan_width_rules(2)
127
128
                             Version S-2021.06-SP5
129
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130
     icc2 shell>
131
```

Parameters

Type