

URA CAD SUBMISSION GUIDELINES FOR DEVELOPMENT APPLICATION

July 2026

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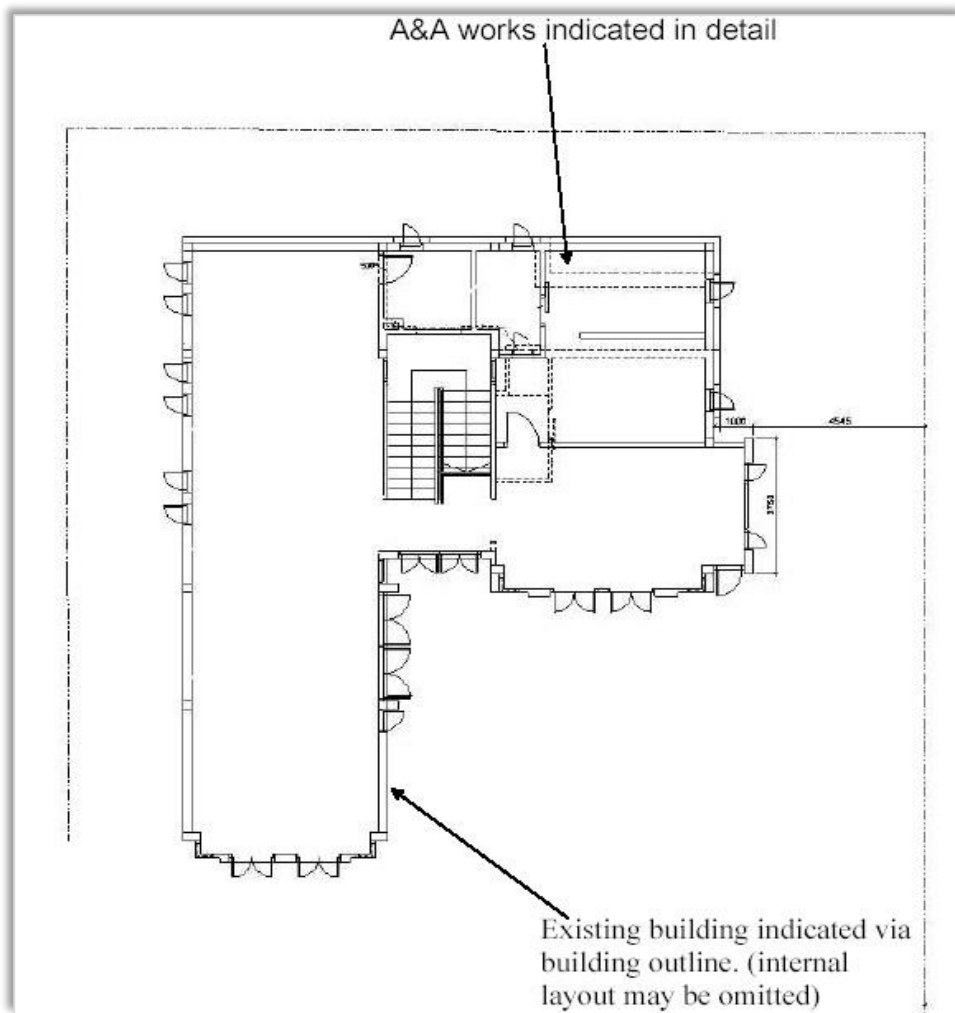
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General

1. Each CAD file should contain only one title block.
2. The "Limit" of the drawing in each CAD file should match the boundary of the title block (i.e., no information should be included outside the title block).
3. The "Last Saved View" of the CAD files should cover only the title block and the information within them.
4. The "Maximum Extents" view should be displayed in the "Last saved view".
5. No external reference files should be referenced by the submitted CAD files (i.e., any external reference files should be bound before submission).
6. No raster images should be attached to the submitted CAD files.
7. "Draft Work" or construction lines should not be included in the submitted CAD files.
8. Hatch patterns in CAD files should be kept to a minimum.
9. No proprietary fonts should be used.
10. All layers, except those used for area calculation and strata unit boundaries, should be set to "on" in the "Last Saved View".
11. The same CAD files, with changes incorporated to comply with the requirements, should be used for resubmission (i.e., no shifting of coordinates in the resubmitted files).
12. The format and element naming of CAD layers should follow the latest version of CP83.
13. No hidden CAD layers should be included in the CAD files.
14. For Additions and Alterations or Amendment proposals, the following colours should be used:

Usage	Colour name	RBG number	Colour
Proposed /Additional Elements	Magenta	255,0,255	
Existing /Approved Elements	Cyan	0,255,255	
Deleted Elements	Yellow	255,255,0	

15. Except for development applications that require re-computation of the gross floor area for the entire development, all other development applications and lodgments for Addition and Alteration works may be submitted with details covering only the additions and alterations of the affected areas. For areas of the existing development not affected by the current proposal, only the building outline is required (please see example below).



Example of acceptable illustration for Addition and Alteration Works

File Naming

Filename format

16. File Naming convention as indicated below should be used:

<i>Project identification</i>	-	<i>Author/Originator</i>	-	<i>Discipline</i>	-	<i>Zone</i>	-	<i>Type of work /View plane</i>	-	<i>Version</i>	-	<i>User-defined</i>
2 to 6 characters		2 characters		2 characters		4 characters		4 characters		4 characters		As per users' requirements

All fields are to be separated by hyphen characters "-." For fields with fixed length, if the input is less than the required character count, the remaining character(s) are to be filled with underscore characters "_"

Project Identification

17. A unique identifier to be assigned to the project by the user. For example, "SWP" for the "South Wood Point" project.

Author/Originator

18. An identifier for the individual, company, or organisation responsible for creating the file. For example, "AJ" for a CAD file created by AJ Architects Pte Ltd.

Discipline

19. An identifier that indicates the discipline of the details contained within the CAD file. For example, **AR** denotes a CAD file prepared by an architect.

AR	Architect
CV	Civil engineer
ID	Interior designer
EL	Electrical engineer
LS	Land surveyor
ME	Mechanical engineer
LA	Landscape architects
ES	Equipment supplier
ST	Structural engineer
TS	Telecommunication/Signal engineer
CN	Contractor
--	User defined (other disciplines)

Zone

20. An identifier that indicates the location, region, or block of the details contained within the CAD file. For example, **01** denotes that the details contained within the CAD file pertain to Block 1 of the development.

01	Block 1
--	All blocks
A1	Zone A1

Type of work

21. An identifier that indicates the nature and scope of the work contained within the CAD file. For example, **SP** denotes that the CAD file contains site plan details, and **FP** denotes that it contains floor plan details. When a drawing contains multiple layouts such as a site layout, floor layout, elevation, and section it is to be designated as **SP**.

SP	Site Plan (If the submission contains only one CAD file with all details such as site layout and floor layout, then Type of work/View plane should be indicated as SP__)
FP	Floor Plan (If the CAD file contains floor layout and section and or elevation drawing then Type of work/View plane should be indicated as FP__)
FE	Floor plan – Elevation view (If the CAD file contains section and elevation drawing, then Type of work/View plane should be indicated as FE__)
FX	Floor plan - cross section view
SX	Site plan - cross section view
SE	Site plan - elevation view
SV	Survey Plan
TP	Topo Plan
PP	Land Profile Plan
RD	Road Line Plan
DN	Drainage Interpretation Plan
RW	Retaining walls
BC	Bin Centres
SN	Substations
LS	Landscaping Plan
LT	Lighting Plan
OA	Other ancillary structure (e.g., bin centre, Guard house on same CAD File)

View plane

22. Examples for the View Plane field:

02	2nd storey
12	12 storey, or typical floor from 12 storey and above
A-	Attic
B2	Basement 2
E2	Elevation 2
3M	Mezzanine 3
R-	Roof
- -	Whole project / Site plan (two “dashes”)
BB	Section BB
NE	Northeast elevation plan
-A	1st drawing in the submission with multi-levels, multi-View Plane in the same CAD file.
-B	2nd drawing in the submission with multi-levels, multi-View Plane in the same CAD file

Version (revision /submission)

23. Examples for the Version field

A_ _ _	1 st submission
B_ _ _	2 nd submission
C_ _ _	3 rd submission

Proposal Plan

Format Of Endorsement for Drainage Interpretation and Road Line

24. For new erection applications, the following declaration should be included in the site plan

Drainage Interpretation

I, (type name of Architect/Professional Engineer), confirm that the drainage details as shown in the plan are in accordance with the current information provided by PUB

Road Line

I (type name of Architect/Professional Engineer), confirm that the road reserve lines, the category of proposed and existing roads and other related road information as shown in the layout plan is in accordance with the current information provided by LTA.

Endorsement For Owner Consent

25. The following declaration of ownership should be properly done.

I/We, (type in name of person e-signing the plan), hereby declare that –

- a) I/we am/are not the owner(s)* of the land within the meaning of the term "owner" as defined in Section 2 of the Planning Act (Cap 232, 1998Ed); and
- b) I/we* have shown this plan to the owner(s) of the land and have obtained the consent of the said owner(s) to submit this plan to the Competent Authority under the Planning Act (Cap 232, 1998Ed).

*Delete accordingly

List of layers and details to be included in the Proposal Plan

26. A cadastral-based site plan with a surrounding radius range of 10m to 50m is to be incorporated in the proposal plans. (Note: If this is not possible, the applicant is to provide a cadastral key plan as an insert onto the proposal plans or submit the cadastral key plan separately as a scanned image.)
27. Relevant information required for planning consideration should be indicated in layers with the appropriate element name and colour as listed below.

S/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	ENDOURA-		Plan endorsement	White	255,255,255	
				Black	0,0,0	
2	ANOTTBLK		Title block, Scales, Drawing boundary. Legend text Company Logo	White	255,255,255	
				Black	0,0,0	
3	LNSPBUFF		Green buffer line with dimension, physical buffer line with dimension	Green	0,128,0	
4	LNSPVERG		Planting verge with dimension	Green	0,128,0	
5	RETW----		Retaining walls with dimension	Red	255,0,0	
6	ROAD----		Roadways, Road category text Road Name text Road centre lines Kerbs	Maroon	128,0,0	
7	ROADWIDL		Road widening lines, Plot Numbers for Road reserve	Maroon	128,0,0	
8	SDRNRESV		Drainage reserve lines, Plot Numbers for Drainage reserve	Blue	0,0,255	
9	SITE----		Site, external works, earth work	White	255,255,255	
				Black	0,0,0	
10	SITEBNRY		Site boundary	Red	255,0,0	
11	CADI----		Cadastral information, Lot Number, Lot Boundary	White	255,255,255	
				Black	0,0,0	
12	SITEKPLN		Key plan	White	255,255,255	
				Black	0,0,0	
13	SITENRTH		North point	White	255,255,255	
				Black	0,0,0	
14	SITESTBK		Building setback dimensions	Red	255,0,0	
15	SITEWALL		Boundary wall, site fencing	Navy	0,0,128	
16	SITEBLDG		Building Outline	Cyan	0,255,255	
17	SITEBASE		Basement Outline	Purple	128,0,128	
18	TOPOPLVL		Platform level	White	255,255,255	
				Black	0,0,0	

19	SPACBLDG	Building plot boundaries, building plot numbers	Maroon	128,0,0	
20	SPACCOSS	Plot boundaries and plot numbers for communal use/open space	Green	0,128,0	
21	SPAC----	Plot boundaries and plot numbers for right of way/easement, parkway reserve	White	255,255,255	
			Black	0,0,0	

28. Site boundary should be indicated in the CAD layer with the element name **SITEBNRY**.
29. All building plots and areas for communal use/open space should be shown as separate plots in the CAD layer with element names **SPACBLDG** and **SPACCOSS**, respectively.
30. All building setbacks should be indicated in the CAD layer with the element name **SITESTBK**.
31. Parcels of land for vesting, such as road widening and drainage reserve, should be shown as separate plots in the CAD layer with element names **ROADWIDL** and **SDRNRESV**, respectively.
32. Existing ground levels for the subject site and adjoining sites immediately across the common boundaries, as well as proposed platform levels, should be indicated in the CAD layer with the element name **TOPOPLVL**. Singapore Height Datum (SHD) should be used when indicating the relevant levels.
33. Retaining walls, if any, should be indicated in the CAD layer with the element name **RETW- -**.
34. Boundary walls, if any, should be indicated in the CAD layer with the element name **SITEWALL**.
35. Buffer zone provisions should be indicated in the CAD layer with the element name **LNSPBUFF**.
36. 2m wide planting strip along the boundary should be indicated in the CAD layer with the element name **LNSPVERG**.
37. Access arrangements should be indicated in the CAD layer with the element name **ROAD- - -**.
38. Road categories should be indicated in the CAD layer with the element name **ROAD- - - -**.

Sketch (Floor, Section & Elevation) Plan

Endorsement For Owner Consent

39. The following declaration of ownership should be properly done.

I/We, (type in name of person e-signing the plan), hereby declare that – c) I/we am/are not the owner(s)* of the land within the meaning of the term "owner" as defined in Section 2 of the Planning Act (Cap 232, 1998Ed); and d) I/we* have shown this plan to the owner(s) of the land and have obtained the consent of the said owner(s) to submit this plan to the Competent Authority under the Planning Act (Cap 232, 1998Ed).
--

*Delete accordingly

List of layers to be included in the Sketch (Floor, Section & Elevation) Plan

40. Relevant information required for planning consideration should be indicated in layers with the appropriate element name and colour as listed below.

/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	ENDOURA-		Plan endorsement	White	255,255,255	
				Black	0,0,0	
2	ANOTTBLK		Title block, Scales, Drawing boundary, Legend text, Company Logo	White	255,255,255	
				Black	0,0,0	
3	FLORLEVL		Floor /Platform level	White	255,255,255	
				Black	0,0,0	
4	RETW----		Retaining walls with dimension	Red	255,0,0	
5	SITENRTH		North point	White	255,255,255	
				Black	0,0,0	
6	SITEWALL		Boundary wall, site fencing	Navy	0,0,128	
7	TOPOPLVL		Platform level	White	255,255,255	
				Black	0,0,0	
8	TOPOMPLL		Minimum Platform level	White	255,255,255	
				Black	0,0,0	
9	BEAM----		Beams	White	255,255,255	
				Black	0,0,0	
10	COLN----		Column	White	255,255,255	
				Black	0,0,0	
11	CPRK----		Car Parking lots	Purple	128,0,128	

12	DOOR----	Door	White	255,255,255	
			Black	0,0,0	
13	FLOR----	Floor	White	255,255,255	
			Black	0,0,0	
14	GRID----	Grids	Cyan	0,255,255	
15	LIFT----	Lifts	White	255,255,255	
			Black	0,0,0	
16	STRC----	Staircases	White	255,255,255	
			Black	0,0,0	
17	WALL----	Walls	Red	255,0,0	
18	WIND----	Windows	White	255,255,255	
			Black	0,0,0	

41. Floor-to-floor heights should be indicated on section and elevation plans and in the CAD layer with the element name **FLORLEVL**.
42. Basement protrusions, if any, should be indicated on section and elevation plans and in the CAD layer with the element name **FLORLEVL**.
43. Lines of existing ground level should be indicated on section and elevation plans and in the CAD layer with the element name **TOPOPLVL**.
44. If applicable, lines of Minimum Platform Level (MPL) should be indicated on section and elevation plans and in the CAD layer with the element name **TOPOMPLL**.
45. Maximum building height in m SHD should be indicated on section and elevation plans and in the CAD layer with the element name **FLORLEVL**.
46. Retaining walls, if any, should be shown on section and elevation plans and in the CAD layer with the element name **RETW- - -**.
47. Boundary walls, if any, should be shown on section and elevation plans and in the CAD layer with the element name **SITEWALL**.
48. For landed housing development, relevant envelope control lines should be indicated in the Section & Elevation plans with the element name **SITESTBK**.

Calculation Plan

Details to be included in the Floor Plans for Area calculation.

49. All polygons demarcating areas for calculation should be drawn using lightweight polylines for DWG files and complex shapes (or shapes) for DGN files should be used. All areas included in the GFA calculation should be demarcated, and all polygons should be "closed." All parcellations of area should be presented by floors and not by individual units.
50. Labels representing each demarcated area and the tabulation of area calculations should be indicated in the top right-hand corner of the plan.
51. Areas included in the layer **AREAGFAD** (i.e., red polygons) should fall within the area in the layer **AREAGFAA** (i.e., green polygons).
52. Service ducts without floor slabs and voids should be indicated clearly with crosses.
53. Detailed calculations on the area of balconies to be computed over and above the Master Plan allowable gross plot ratio (if applicable) should be incorporated.
54. Detailed calculations on quantum use and secondary use (if applicable) should be incorporated.
55. Detailed calculations on the area of outdoor refreshment areas to be computed over and above the Master Plan allowable gross plot ratio (if applicable) should be incorporated.

Sample summary of GFA details

56. A summary of the GFA breakdown by floors (see example below) should be incorporated in the site plan.

SUMMARY OF GROSS FLOOR AREA							
Block	Storey	GFA (m2)	Breakdown of Gross Floor Area (m2)				
			e.g., Industry – Main Area	e.g., Industry – Ancillary Office	e.g., Industry - Other Area		
1	Basement						
	1 st Storey						
	2 nd Storey						
	3 rd Storey						
	Roof						
	Subtotal:						
2	Basement						
	1 st Storey						
	2 nd Storey						
	3 rd Storey						
	Roof						
	Subtotal:						
	Total						

57. If applicable, a summary of the Bonus GFA breakdown by floors (see example below) should be incorporated in the site plan.

SUMMARY OF BONUS GFA							
Blk No.	Storey	GFA (m2)	Breakdown of Bonus* GFA				
			e.g. Indoor Recreation Spaces				
1	Basement						
	1 st Storey						
	2 nd Storey						
	3 rd Storey						
	Roof						
	Subtotal:						
2	Basement						
	1 st Storey						
	2 nd Storey						
	3 rd Storey						
	Roof						
	Subtotal:						
Total:							

58. If applicable, a summary of the percentage of Total Unit Balcony Area over Net Unit Area (see example below) should be incorporated in the site plan.

Summary of % of Total Unit Balcony Area Over Net Unit Area			
Unit No	Net Unit Area	Balcony Area	% of Total Balcony Area Over Net Unit Area
01-01			
01-02			
01-03			
01-04			
01-05			
02-01			
02-02			
02-03			
02-04			
02-05			
02-06			

59. If applicable, the AC ledge details (see example below) should be incorporated in the site plan.

AC ledge Details				
Blk No.	Unit No.	AC ledge ID	AC ledge Area	Number of compressors
1	1st Storey			
	01-01	01-01-1		1
	01-01	01-01-2		2
	01-01	01-01-3		1
	01-02	01-02-1		2
	01-02	01-02-2		1
	01-03	01-03-1		2
	01-03	01-03-2		1
1	2nd Storey			
	02-01	02-01-1		1
	02-01	02-01-2		2
	02-01	02-01-3		1
	02-02	02-02-1		2
	02-02	02-02-2		1
	02-03	02-03-1		2
	02-03	02-03-2		1

List of layers to be included in the Floor Plans for Area calculation

60. Layers with the following element names should be included in the floor plans for GFA calculations:

S/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	AREAGFAA		Area to be included in GFA calculation	Lime	0,255,0	
2	AREAGFAD		Area included in layer AREAGFAA but to be excluded from GFA calculation	Red	255,0,0	
3	AREAGFAB		Area of balconies to be computed over and above the Master Plan (MP) allowable gross plot ratio (GPR) - Please see URA circular URA/PB/01/19-DCD & URA/PB/2007/01-DCD for details	Green	0,128,0	

4	AREAGFAR	Area of outdoor refreshment area to be computed over and above the Master Plan allowable gross plot ratio	Green	0,128,0	
5	AREAGFAR	Area to be to be excluded from outdoor refreshment area as in item 4 above	Magenta	255,0,255	
6	AREAGFAQ	Area to be included in the 60% (minimum) hotel room & hotel related use quantum	Cyan	0,255,255	
7	AREAGFAQ	Area to be included in the 60% (minimum) industrial use quantum	Cyan	0,255,255	
8	AREAGFAQ	Area to be computed under the 50% (minimum) prayer quantum	Cyan	0,255,255	
9	AREAGFAQ	Area to be included in the Business Park White (15%)	Cyan	0,255,255	
10	AREAGFAQ	Area to be to be excluded from Industrial use quantum, prayer quantum or Business Park white quantum calculation	Magenta	255,0,255	
11	AREAGFAS	Area to be computed as secondary use in an industrial development	Cyan	0,255,255	
12	AREAGFAS	Area to be computed as commercial use in a mixed-use development	Cyan	0,255,255	
13	AREAGFAS	Area to be to be excluded from secondary. use calculation in an industrial development or commercial use calculation in a mixed-use development	Magenta	255,0,255	
14	ACONEQPT	Air-conditioning equipment, AC ledges, and other related details	Purple	128,0,128	

61. Layers with the following element names should be included in the site plans for the calculation of Communal Open Space and Building Coverage.

S/No	Element name	Description of elements	Colour name	RBG number	Colour
	Main Sub				
1	AREABDBA	Building block area	Magenta	255,0,255	
2	AREABDBD	Area to be deducted from building coverage	Yellow	255,255,0	
3	AREABDSA	Area to be included in Sub-control (building coverage)	Teal	0,128,128	
4	AREABDSD	Area to be excluded from Sub-control (building coverage)	Olive	128,128,0	
5	AREACOSA	Communal open space area	Cyan	0,255,255	
6	AREACOSD	Area to be deducted from communal open space	Yellow	255,255,0	

Proposal/Diagrammatic Plan for Subdivision of Lands/Strata Subdivision of Buildings

Declaration And Endorsement by Surveyor

62. The following declaration of ownership should be properly done on the proposal/diagrammatic plan.

I/We, (type in name of person e-signing the plan), hereby declare that –

- a) I/we am/are not the owner(s)* of the land within the meaning of the term "owner" as defined in Section 2 of the Planning Act (Cap 232, 1998Ed); and
- b) I/we* have shown this plan to the owner(s) of the land and have obtained the consent of the said owner(s) to submit this plan to the Competent Authority under the Planning Act (Cap 232, 1998Ed).

*Delete accordingly

63. The following declaration should be properly done by the surveyor on the proposal plan.

I, (name of surveyor) declare that the building layout tallies with the development approved plans registered as plan () in ES/AP_ES*_____ dated _____. I also declare that the setbacks shown on this plan do not deviate more than 3% of the setbacks as approved under the said development plans.

*Delete accordingly

64. The following endorsement should be properly done by the surveyor on the diagrammatic plan.

- 1. I, (name of surveyor) certify that the strata unit layout is in accordance with the Building Plan approved on _____ under ES/BP number _____.
- 2. I, (name of surveyor) declare that the strata unit excludes all common properties indicated and referred to in the planning permission granted by the Competent Authority under the Planning Act (Cap 232).

*Delete accordingly

List of layers to be included in the Proposal/Floor for Subdivision of lands/Strata Subdivision of Buildings

65. Layers with the following element names should be included in the proposal/diagrammatic plan where applicable.

S/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	ENDOURA-		Plan endorsement	White	255,255,255	
				Black	0,0,0	
2	ANOTTBLK		Title block, Scales, Drawing boundary. Legend text Company Logo	White	255,255,255	
				Black	0,0,0	
3	ROADWIDL		Road widening lines, Plot Numbers for Road reserve	Maroon	128,0,0	
4	SDRNRESV		Drainage reserve lines, Plot Numbers for Drainage reserve	Blue	0,0,255	
5	SITEBNRY		Site boundary	Red	255,0,0	
6	CADI----		Cadastral information, Lot Number, Lot Boundary -Existing lot boundaries and numbers are to be in layer with status "E." - Proposed new lot boundaries and numbers are to be in layer with status "N"	Cyan	0,255,255	
				Magenta	255,0,255	
7	SITENRTH		North point	White	255,255,255	
				Black	0,0,0	
8	SITESTBK		Building setback dimensions	Red	255,0,0	
9	SPACSTRA		Strata unit boundary on floor plans for strata subdivision	Red	255,0,0	
10	SPACBLDG		Building plot boundaries, building plot numbers	Maroon	128,0,0	
11	SPAC----		Plot boundaries and plot numbers for right of way/easement, parkway reserve	White	255,255,255	
				Black	0,0,0	

66. Existing lot boundaries should be shown as dotted lines together with their lot numbers and indicated in the CAD layer with the element name **CADI- - -**.
67. The boundary of land to be subdivided should be indicated in the CAD layer with the element name **SITEBNRY**.
68. All proposed new lot boundaries with their dimensions should be indicated in the CAD layer with the element name **CADI- - -**.
69. All building plots and parcels of land for vesting, such as splay corners, road widening, and drainage reserves, should be shown as separate plots and indicated in the appropriate CAD layers.
70. Strata unit boundaries should be indicated on floor plans for strata subdivision in the CAD layer with the element name **SPACSTRA**.

Strata Unit Plan

Strata Unit Details to be Included in the Proposal Plan for New Erection or Additions and Alterations Applications

71. If applicable, the unit details of the development (see example below) should be incorporated in the site plan.

Unit Details				
Blk No.	Unit No.	Unit Type	Unit Area (sqm)	Unit Use
1	01-01	A (1)	28.51	Shop
1	01-02	A (2)	28.51	Shop
1	01-03	B (1)	29.38	Shop
1	01-04	B (2)	29.38	Shop
1	01-05	B (3)	29.38	Shop
1	01-06	C (1)	91.8	Restaurant
1	02-01	D (1)	65.26	Private Residential Unit
1	02-02	D (2)	65.26	Private Residential Unit
1	02-03	D (3)	65.26	Private Residential Unit
1	02-04	E (1)	95.82	Private Residential Unit
1	02-05	E (2)	95.82	Private Residential Unit

List of Layers and Details to be Included in the Proposal Plan for New Erection or Additions and Alterations Applications

72. If applicable, layers with the following element names should be included in the floor plans for strata unit boundaries and other related details.

S/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	SPACSTRA		Strata unit boundaries and other related details	Blue	0,0,255	
2	SPACBALC		Balcony Area	Cyan	0,255,255	

Landscape Plan

Within new developments and redevelopments in identified strategic areas

The landscape plan should include the following information:

73. Declaration of the overall Landscape Replacement Areas, softscape areas and Green Plot Ratio for the entire development.
74. Overall Green Plot Ratio computation.
75. Layout of the softscape and hardscape areas, clearly indicating all items that cannot be counted as Landscape Replacement Area, e.g., structure, key circulation etc.
76. Landscape Plans showing the proposed schedule of plant species and paving materials, as well as the layout of plant species at the softscape/ green walls/ green roofs. For vertical greenery/ extensive green roofs, the plans should also show the proposed system.
77. Annotations in the landscape plans to show the proposed planting species and paving materials corresponding to the schedule, and the proposed uses e.g., Swimming Pool, BBQ Area, etc.
78. Sections showing the depth of all the proposed planting beds/vertical greenery for Landscape Replacement Areas.
79. Annotation of the 45-degree line, where relevant.
80. Relevant perspectives showing the proposed plant species, as-built outcome, and spatial quality.
81. Short statement on the proposed maintenance and irrigation methods for the planting.
82. The softscape details and hardscape areas are to be included in separate CAD layers:

S/No	Element name		Description of elements	Colour name	RBG number	Colour
	Main	Sub				
1	LNSP----		Softscape details	Lime	0,255,0	
2	LNSPHARD		Hardscape areas	Maroon	128,0,0	

Non-landed private residential and commercial/mixed-use/hotel developments outside strategic areas

The landscape plan should include the following information:

83. Declaration of the overall Landscape Replacement Areas and Green Plot Ratio for the entire development.
84. Overall Green Plot Ratio computation.
85. Landscape Plans showing proposed planting palette, as well as the layout of planting species at landscape areas, green walls, and extensive green roofs. For vertical greenery/ extensive green roofs, the plans should show the proposed system.
86. Annotations in the landscape plans to show the proposed planting species.
87. Sections showing the depth of all the proposed planting beds/vertical greenery for Landscape Replacement Areas.
88. Annotation of the 45-degree line, where relevant.
89. Relevant perspectives showing the proposed plant species, as-built outcome, and spatial quality.

Proposal Plans for Works to Conserved Buildings

90. The following endorsements by the Architect and Professional Engineer are to be included in the proposal plans for works to conserved buildings.

Format of Architect's endorsement

URBAN REDEVELOPMENT AUTHORITY CONSERVATION REQUIREMENTS

FLUE

Flues and vents shall be located either on the rear slope of the main roof or the rear secondary roofs or abutting the wall of the rear façade / rear service block within the rear court. The roof of the flue can be pitched or flat and shall not be higher than the ridge of the main roof.

AIR-CONDITIONING

The installation of air-conditioning units shall comply with the conservation guidelines.

SIGNAGES

Detailed drawings of signage design indicating the size, location, lettering typeface and method of support and illumination shall comply with the conservation guidelines and shall be submitted to the Building and Construction Authority (BCA) for licensing.

Format of Engineer's Endorsement

91. The following endorsement should be properly done. Please note that the Professional Engineer's (PE) endorsement shall be accompanied with the official stamp of the PE.

ENGINEER'S ENDORSEMENT

As a qualified person, I agree with and endorse the alterations to the structure as shown on this plan and that they are generally in accordance with conservation principles and good engineering practice. Where further strengthening or additional structural members are required to support addition and alteration work, formal approval will be sought from the Competent Authority under Planning Act and Building Authority under Building Control Act prior to commencement of work on site.

Colouring requirements

92. For "Additions and Alterations" or Amendment proposal, the following colours should be used.

Usage	Colour name	RBG number	Colour
Proposed /Additional Elements	Magenta	255,0,255	
Existing /Approved Elements	Cyan	0,255,255	
Deleted Elements	Yellow	255,255,0	
Proposed Retention	Orange	236,169,2	

Conserved portion and GFA

93. The conserved portion of the development should be demarcated in the floor plans. The GFA of the conserved portion should also be incorporated in the site plan, and the GFA tabulation.