

## 9.5 Floor and Roof Naming Convention

### 9.5.1 Level Naming Convention of Floor, Roof and Elevator Button

In the following table, text with \* indicates non-typical or legacy naming convention in the records. Please do not use in a new construction.

DRAWING		ARCHIBUS		ELEVATOR
Level Name	Legacy Level Name (Records)*	Floor Name	Floor Code	Button
Roof		Roof	06RF	
Level 05	Penthouse Level 2	Floor 05	05 (P2*)	5
Level 04	Penthouse Level 1	Floor 04	04 (P1*)	4 (PH*)
Level 03	Third (3rd) Floor	Floor 03	03	3
Level 02	First (1 <sup>st</sup> ) Floor, Second (2 <sup>nd</sup> ) Floor	Floor 02	02	2
Level 01	Main Floor, First (1 <sup>st</sup> ) Floor, Ground Floor	Main Floor	01	1 (M*)
	Ground Floor	Ground Floor	G1*	G*
Level B1	Level 0, Parkade Level 1	Basement	B1	B1 (G*)
Level B2	Parkade Level 2	Sub-Basement	B2	B2
Interstitial Level		... Interstitial	□□A	□□A
Mezzanine Level		Mezzanine Floor	□□M	□□M
				□□R (Rear Entry)

### 9.5.2 AutoCAD Composite Floor Plan

A composite plan is a drawing of the entire floor plate. UCalgary currently archives architectural composite plans for all building assets. At project initiation, the external consultants can request record composite plans from the Record Management Office (RMO) through the PM. All files provided by UCalgary are the “best available data” at the time of transfer and are intended for informational use only. **Prior to the commencement of any work, consultants shall be responsible for field verifying data to ensure accuracy.**

Campus Architecture maintains campus building base drawings, which have no room or roof numbers. The drawing naming convention is as follows: (no spaces in file name)

**[Building Code] [Level Code]\_[Discipline Suffix].dwg**

e.g., ENF01\_A.dwg translated: Engineering Block F, level 1, architectural floor plan

These drawings require:

- Structural grid to comply with section 8.1.7 *Structural Grids*
- All building elements (walls, doors, windows, reflected ceilings, etc.)
- Millwork, furniture, fixtures, equipment, etc.
- Minimal annotations
- No construction notes, tags and dimensions
- No demolition or related annotations
- Conform to the requirements in section 8.3.3 and 8.3.4.
- Everything drawn in model space (with nothing in paper space)
- No annotative text or dimensions
- No AEC objects, 3D polylines, surfaces, solids and any 3D objects. Any of the aforementioned objects are to be flattened to lines or polylines.

ARCHIBUS floor plans xref the base drawings and add room information. Drawing naming convention: (no space in file name)

**[Building Code] [Level Code].dwg**

e.g., ENF01.dwg translated: Engineering Block F, level 1, floor plan

### **9.5.3 Roof**

#### **9.5.3.1 Purpose of Roof Drawings and Data in ARCHIBUS**

ARCHIBUS is the source for creating Capital Maintenance and Renewal (CMR) reports. For this reason we require all rooftop equipment to be shown with roof sections. From this information we create maintenance schedules.

#### **9.5.3.2 Drafting Guidelines for Roof Composite Plan**

The composite floor plans show the roofs of the current level as well as all lower-level roofs if there is any. A roof section refers to an area of the same roof assembly in plan view, divided by level, control joints, expansion joints, bends, material, etc. Each section receives a number based on the highest level crossed. For example,

- The level 3 floor plan shows the roof sections with numbers as well as both level 1 and level 2 roof sections without numbers.
- The overall roof plan shows the roof level sections with numbers as well as the roofs of all levels without numbers below it.

The following roof components are required on composite floor plan:

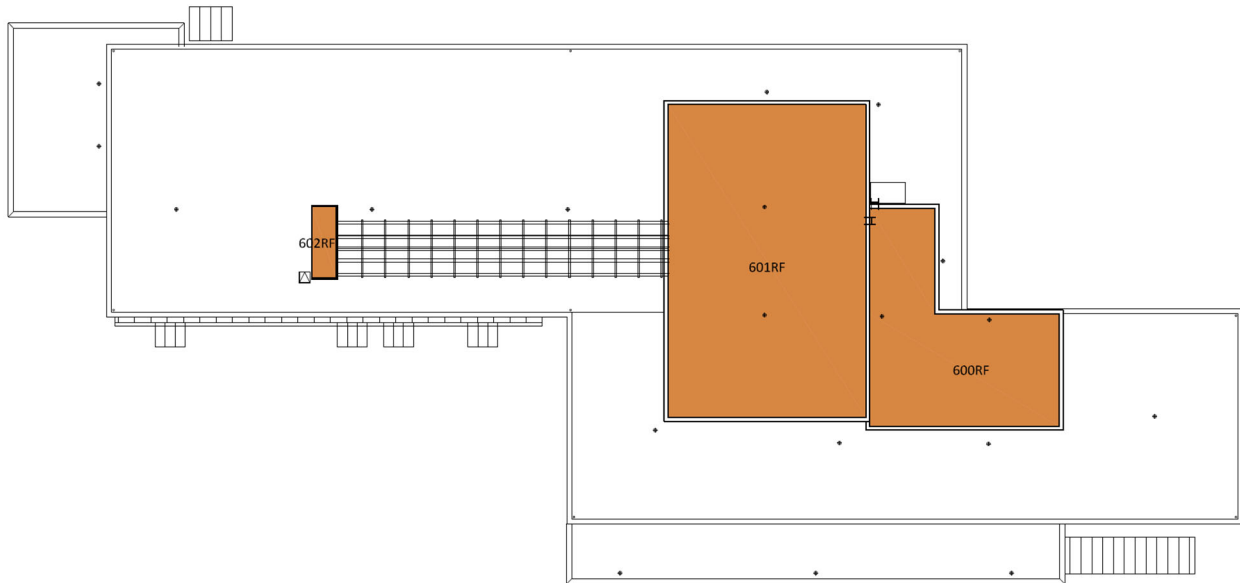
- Flat roof: parapets, control joint, expansion joints, bends, material change, drains
- Slopped roof: ridges, hips, valleys
- Skylights, canopies and other structures or equipment protruding through or installed above the roof plane, such as chimneys, vents, roof hatch, access ladder, etc.

- Annotations (on the non-plot layer) in the overall roof plan, including slopes, pitch, elevation marker

Use different line weights to represent various levels of the roof. For example of the level 4 plan,

- Use heavy line weight to represent the roof of level 3.
- Use medium line weight to represent the roof of level 2.
- Use thin line weight to represent the roof of level 1.

Example of an overall roof plan:



### 9.5.3.3 Roof Section Numbering Guideline

- Each roof section including skylight and canopies will be assigned a number.
- The roof section number starts with a level code and appends a suffix of RF, RC or RS.
  - The level code is where the roof section located. For example, a roof section above level 1 space will be numbered as 2xx.
  - Suffix RF is used for roof (general).
  - Suffix RC is for roof canopy.
  - Suffix RS is for skylight.
- Structures above the following spaces are numbered as distinct roof areas.
  - Vault: Electrical Utility and Distribution team (EUD) does annual maintenance due to collected water.
    - Examples: BI 90RF, CCIT 100RF, ICT 103RF
  - Underground structure enclosed with roof system which requires preventative maintenance for equipment, drain, scupper, etc.
    - Examples: EDT 100RF, EEEL 125RF, MFH 2310RF, MSC 202RF

- Rooftop functional programming area
  - Example of academic area: EEEL 601RF
  - Examples of patio seating: MSC 202RF, MSC 302RF, MH 210RF
- Exclusions of roof areas
  - Awning or pergola (doesn't require preventative maintenance)
  - Underground structure enclosed with grating
  - Underground structure enclosed with roof system which isn't associate with any preventative maintenance.
    - Examples: EDC-01, ENG-01, MS-01, PP-01

#### ***9.5.3.4 Roof Space Classification and Area Calculation***

- Roof areas, canopies and skylights are classified under non-assignable area as NA9100, which are excluded from the building Gross Floor Area (GFA).
- Rooftop functional programming areas are classified as assignable area, and therefore are included in the building Gross Floor Area (GFA).

## Revision History

Revision Date	Version	Description
August 28, 2023	1.0	Baseline version