# A2.4: ROOF PLAN

#### General:

Roof Plans show the design and materials of the roof structure. Is also used to reference various roof details and to show roof mounted equipment.

### Scale:

Match floor plan.

#### Do:

Draw, note, or indicate:

## All Roofs:

- Roofing at ridges, valleys and hips with double lines.
- Roofing/flashing at roof/wall transitions.
- Skylights (with crickets).
- □ Roof access hatches (with crickets).
- Gutters.
- Roof penetrations (with flashing); vents, hoods, fireplaces, etc. (Coordinate with consultants for each condition)
- Building and wall section symbols.
- Roofing details.
- □ Note ridges, valleys, hips, etc.
- Dimension overhangs.

# Flat Roofs:

Roof drain sumps are a minimum 30"x60" (30"x30" each, for drain and overflow).



- Swales draining into the roof drain sump should discharge to the uphill side.
- Roof drains need to be 4' minimum away from exterior walls.
- □ Minimum of 1/2"/12" slope on flat roofs.
- Per NRCA, crickets should have a ratio 1 unit of depth to 3 units of run and be twice the slope of the field (or 1/12).
- □ For crickets, show the calculations of rise/run to determine the slope of the swale created by the cricket. Usually, 1/4"/foot in the minimum.
- Pay close attention to skylights, equipment, and roof hatches with respect to crickets and proximity to structure; 4' minimum away from exterior walls.
- Walking/servicing pads.
- Equipment service areas and minimum clearances.

## References:

- Roofing details.
- Building and wall section symbols.

## Legend:

□ X

General Notes:

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- □ Roof slope if there is only one.
- Roof overhang dimension if there is only one.

## Coordinate:

 OSHA safety requirements related to distance from edge of roof for service areas. Need reference.

## DSA:

□ X

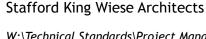
# **REVIT Procedures:**

- Hidden exterior walls with a heavy dashed line.
- Interior walls that rise to the underside of the roof sheathing with dashed lines.
- Draft stops with dashed line.

## Do Not:

*Draw, note, or indicate:* 

Hatch the entire roof - leave areas for notes and symbols by "ponding" the hatch in the corners.



Revised: