

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:



- 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.

