Reflected Ceiling Plan (DWG) Deliverables

Reflected Ceiling Plan (DWG)

The Reflected Ceiling Plan (DWG) is a CAD-based drawing of existing ceiling conditions, showing visible lighting fixtures, HVAC grilles, and other ceiling-mounted elements as viewed in reflection from the floor. Created using 360° imagery and measurements collected with the iGUIDE Camera System, this file supports planning, design, and coordination activities.

- **Reflected Ceiling Plans:** 2D 2018 drawing file (.dwg).
- **Delivery Time:** 3 business days* total for properties under 10,000 sq ft, 2 business days for the Floor Plan, plus 1 additional business day for the RCP. Timelines for properties over 10,000 sq ft may vary based on size and complexity. Delivery timelines will be confirmed upon review if inquired. For questions or specific delivery requests, please submit a ticket at support.youriguide.com. **Delivery times may be affected by property size, ceiling complexity, and any additional requested services. Business days exclude weekends, holidays, and hours outside of Monday–Friday, 9:00 AM–5:00 PM ET.*

	Premium
Included	✔ AutoCAD 2018 Drawing File (.dwg) ✔ Metric or Imperial Units ✔ AIA Layer Format ✔ Ceiling Types ✔ Skylights ✔ Roof Access Hatches/Attic Access Hatches ✔ Bulkheads ✔ Surface Level Lighting Fixtures ✔ Surface Level Safety Features (Related to Lighting) ✔ Surface Level Mechanical Features ✔ Surface Level Sprinkler Heads ✔ Ceiling Heights: Spot Elevations
Not Included	✘ Life Safety Plan ✘ Sprinkler Systems & Routing ✘ Mechanical Systems & Routing ✘ Electrical Systems & Routing ✘ Custom Lighting Fixtures ✘ Structure
** Deliverables are dependent on successfully meeting capture requirements.* ** This deliverable is available as an add-on to the DWG Floor Plan.* ** All drawings are produced using Revit LT 2020.*	

Reflected Ceiling Plan Deliverables

File Format: 2D drawing file (.dwg), exported in AutoCAD 2018 format from Revit.

Walls: Walls shown on the Ceiling Plan are a direct copy of the Floor Plan layout.

Doors/Windows: Doors and windows are only visible on the Ceiling Plan if they extend above the cut plane, set at 6'-6" (1981 mm).

- Skylights: Represented similarly to windows on the Floor Plan and measured to the nearest 1" (25 mm).

Ceiling Types: Acoustic Tile Ceilings are shown with appropriate grid patterns based on iGUIDE 360° imagery.

- Drywall or Plaster Ceilings: Not shown with hatch patterns.
- Open/Exposed Ceilings: Ceilings with exposed sub-floor or steel decking are left unhatched.

Ceiling Heights: Spot Elevations or Tags are represented on the Ceiling Plan for variable heights different from those represented on the Floor Plan. E.g. The Floor Plan indicates the ceiling height of the room whereas the Ceiling Plan indicates the height of a bulkhead in that same room.

Ceiling Structural Details: Bulkheads, tray & cove ceilings are represented as a hidden line boundary.

- Bulkheads, Tray Ceilings, and Cove Ceilings: Outlined using hidden lines to indicate extents.
- Sloped or Vaulted Ceilings: The peak is represented by a hidden line.
- Roof/Attic Access: Indicated with a block showing the location of attic or roof access points (residential or commercial).
- Suspended Architectural Panels: Drafted in approximate locations based on available imagery.
    - Specialty moldings, trims, exposed beams, joists, and structural framing are not represented.
    - Mechanical systems such as ductwork are not shown in areas with open or exposed ceilings.

Lighting Elements: Basic representation of recessed lighting, ceiling mounted lighting, pendant/suspended lighting, wall light, recessed fluorescent lighting, suspended fluorescent lighting, ceiling mounted fluorescent, lighting track lighting, linear strip lighting & ceiling fans.

Safety Elements: Emergency Lighting (wall mounted), emergency exit lighting (ceiling mounted), emergency lighting (ceiling mounted), emergency battery units, smoke detectors, carbon monoxide detectors, fire alarm annunciators & security cameras.

Mechanical Elements: Surface level air diffusers, air vents, exhaust fans, air grills, ceiling fans, speakers & Sprinkler Heads.

- Open/Exposed Mechanical: Any mechanical systems such as ducts will not be represented in open/exposed ceiling areas.

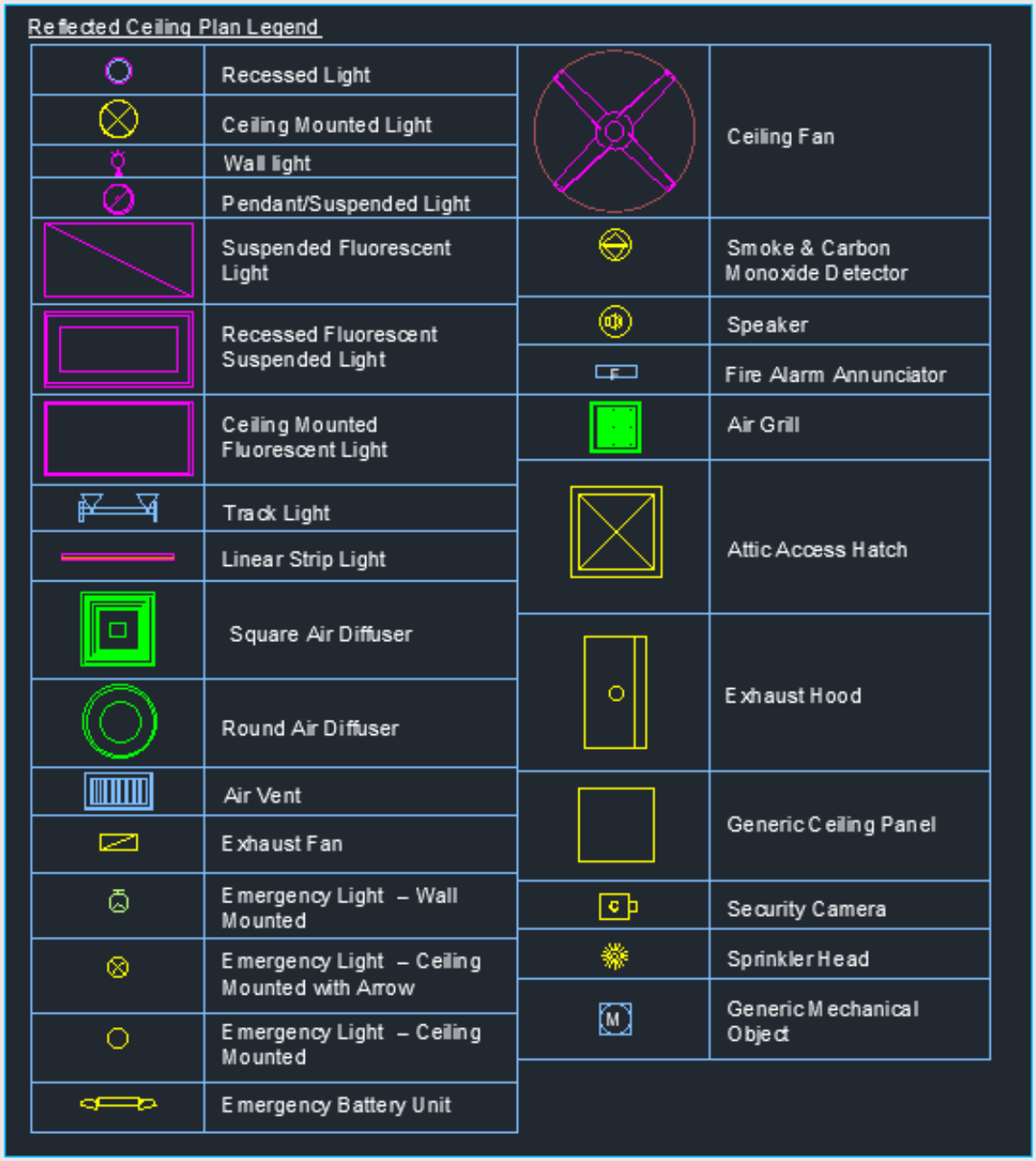


Figure # 1 - Reflected Ceiling Plan MEP Objects

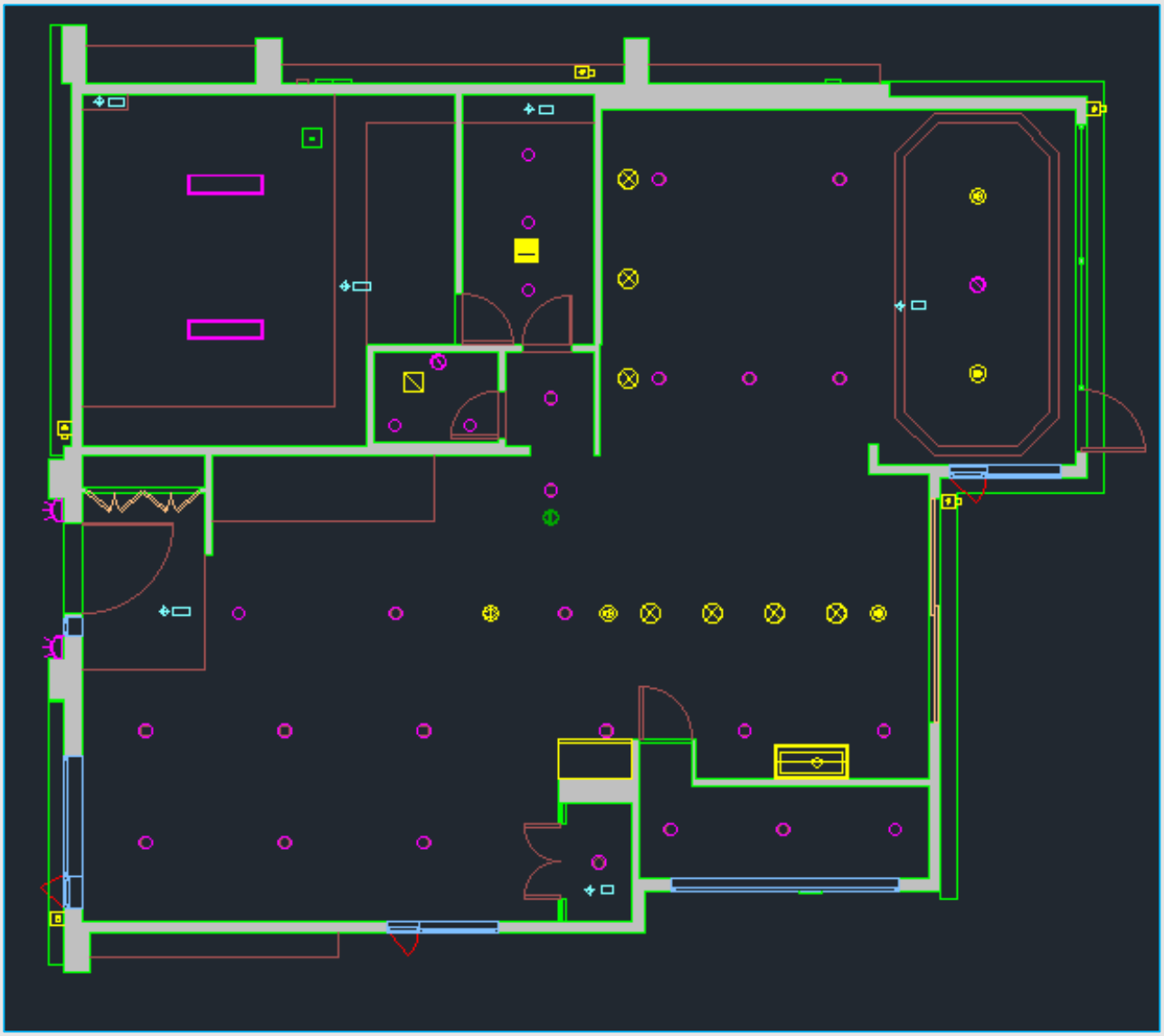


Figure # 2 - Reflected Ceiling Plan (DWG) Residential

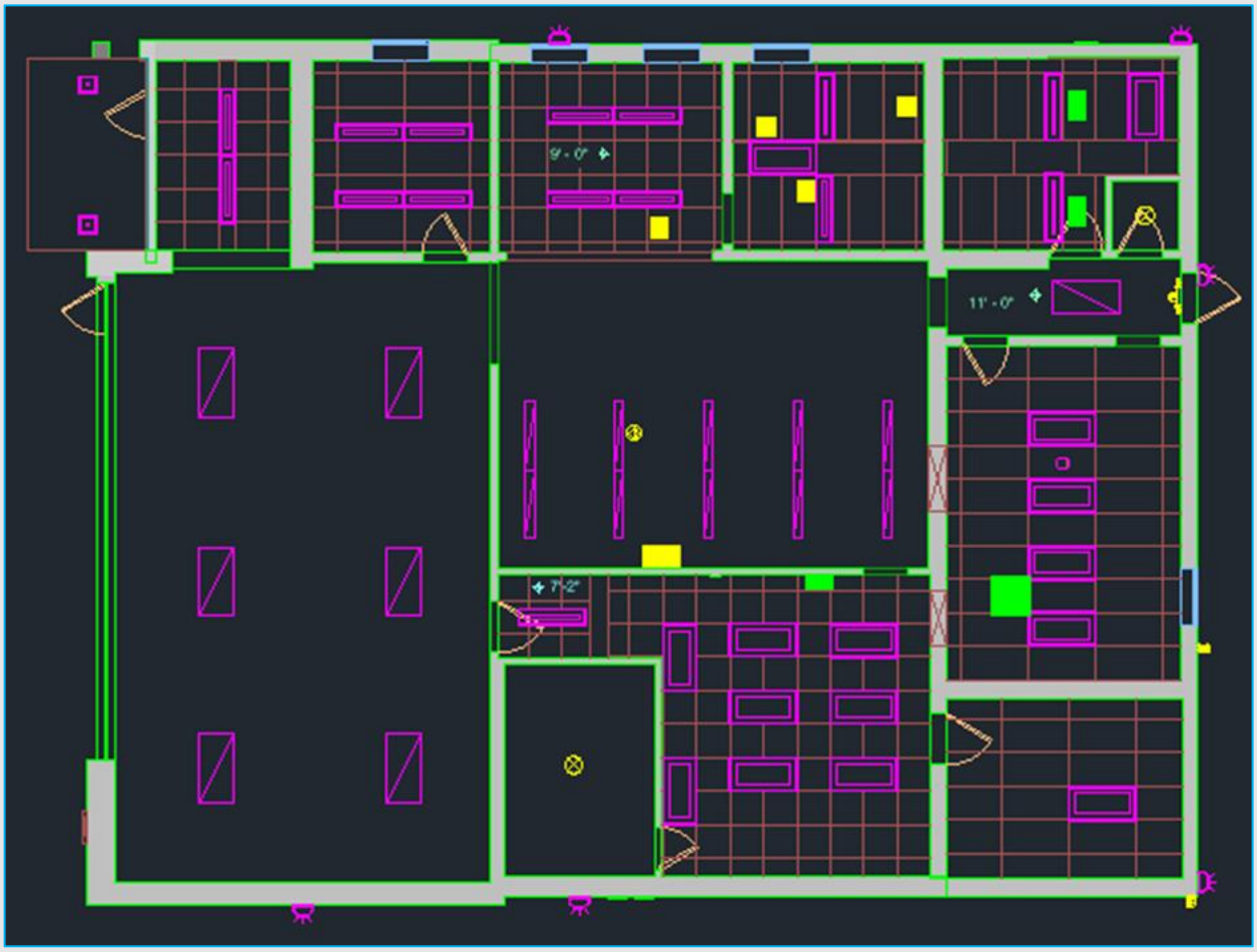


Figure # 3 - Reflected Ceiling Plan (DWG) Commercial

Additional Information

This section outlines key assumptions, limitations, and interpretations that inform the production of all DWG deliverables.

Data Interpretation – North America

Assumptions & Deviations: To produce a workable DWG file with consistent wall thicknesses and logical room structures, certain assumptions are made during drafting. These assumptions may result in minor deviations from raw laser data. Where data quality is high, fewer assumptions are required; where data is limited or unclear, interpretive adjustments may increase. These choices ensure a clean, editable output while maintaining functional reliability.

Dimensional Lumber Assumptions: As referenced in the Interior Walls section, wall thicknesses follow North American dimensional lumber standards. While laser data informs placement, it does not strictly govern wall dimensions. Interior wall widths are adjusted for uniformity using standard construction increments.

Exterior Wall Interpretation: To support accurate floor-to-floor alignment across multiple levels, exterior walls may be adjusted from raw scan values. These adjustments are made to align perimeters and provide a clean base for modification in post-processing.

Data Interpretation – Outside North America

Wall Treatment: For properties outside North America, interior and exterior wall dimensions are drawn relative to the point cloud data, typically to the nearest ½" (13mm) or 10mm. Room dimensions are measured to the nearest ¼" (6mm). Uniformity of wall thickness is not guaranteed.

Verticality & Floor Alignment: Due to differing construction standards and variable data quality, vertical alignment from floor to floor may not be achievable. Wall positioning is optimized for clarity and usability within the DWG environment, not for strict structural fidelity.

Complex Properties

Certain structures present limitations that may prevent full or accurate DWG representation. While the iGUIDE Camera System captures extensive visual and spatial data, some properties may fall outside the scope of what can be reasonably drafted. These include, but are not limited to:

- Irregular architectural structures (e.g., domes, yurts, religious facilities)
- Venues with highly specialized or layered infrastructure (e.g., theatres, arenas, stadiums, industrial complexes)
- Non-building scans (e.g., vehicles, aircraft, ships, trains)

Where such projects are delivered, they may include reduced detail or generalized representations. Full fidelity cannot be guaranteed for complex structures.

Reflected Ceiling Plan (RCP) Disclaimer

All dimensions, room sizes, and areas are approximate and must be independently verified on site. These drawings are intended for reference only and should not be relied upon as final construction documents.

Reflected Ceiling Plan drawings are schematic representations of ceiling-mounted and surface-level elements, derived from floor-level measurements and 360-degree imagery captured via the iGUIDE Camera System. These drawings include general placement of lighting, HVAC components, ceiling variations, and architectural features. However, all RCPs are approximate: ceiling heights over 14 feet (4.3 meters), distorted image perspectives, visual obstructions, and complex geometries (e.g., vaulted or tray ceilings) can affect accuracy. These drawings are not construction documents and should not be used for design, permit, or fabrication purposes without independent on-site verification of all dimensions and ceiling conditions.