Construction Inspection Checklist (for Heavy Machinery and Hand-Held Tools)
Construction Inspection Checklist

General Inspection:
[ ] Verify the equipment's identification and serial number (if applicable).
[ ] Check the equipment's overall condition for signs of damage or wear.
[ ] Inspect for visible leaks of fuel, oil, coolant, or hydraulic fluid.
[ ] Verify that all safety decals, warning labels, and safety instructions are present and legible.
[ ] Check for any modifications or unauthorized alterations to the equipment or tool.

Fluid Levels (if applicable):
[ ] Check engine oil level and condition (for applicable equipment).
[ ] Inspect hydraulic fluid level and quality (for applicable equipment).
[ ] Verify coolant level and concentration (for applicable equipment).
[ ] Check fuel level and inspect for contamination.

Mechanical Components:
[ ] Inspect tires, tracks, or wheels for wear and proper inflation (if applicable).
[ ] Check the condition of belts, hoses, and chains.
[ ] Verify the operation and condition of brakes (if applicable).
[ ] Inspect the condition of the suspension and shock absorbers (if applicable).
[ ] Check for excessive vibration or unusual noises during operation.

Electrical Components (for applicable equipment and tools):
[ ] Verify the functionality of all lights (headlights, taillights, indicators).
[ ] Check the operation of warning alarms and backup alarms (if applicable).
[ ] Inspect the battery and its connections for corrosion and proper voltage.
[ ] Test all switches and controls for proper functioning.

Operator's Compartment (for applicable equipment):
[ ] Inspect the operator's seat for damage and proper adjustments.
[ ] Check the condition of the seatbelt and ensure it latches securely.
[ ] Verify the functionality of the controls and gauges.
[ ] Inspect windows and mirrors for visibility and damage.
[ ] Check the operation of air conditioning and heating (if applicable).
Safety Features:

[ ] Verify the functionality of all safety devices (e.g., ROPS, FOPS, safety interlocks).
[ ] Check the operation of emergency stop buttons and emergency shutdown systems.
[ ] Inspect fire extinguisher(s) for proper charge and accessibility.
[ ] Ensure that all required safety guards and shields are in place for equipment and tools.

Attachments and Implements (for applicable equipment):

[ ] Inspect attachments for proper mounting and secure connections.
[ ] Verify the condition and sharpness of cutting edges and teeth (if applicable).
[ ] Check hydraulic connections for leaks and proper functionality (if applicable).
[ ] Inspect the condition of buckets, forks, blades, augers, or other attachments (if applicable).

Hand Grips and Controls (for hand-held tools):

[ ] Inspect handles or grips for damage and secure attachment to the tool.
[ ] Check the functionality of all control switches, triggers, and speed settings.
[ ] Ensure that handles provide a comfortable and ergonomic grip.

Safety Labels and Instructions:

[ ] Verify that all safety labels and warnings are present and legible for equipment and tools.
[ ] Review the equipment and tool user manuals and follow the manufacturer's safety instructions.

Personal Protective Equipment (PPE):

[ ] Ensure that appropriate PPE, such as safety goggles, gloves, and hearing protection, is available and worn by users of equipment and tools.
[ ] Check that users are trained in the proper use and handling of the equipment and tools.

Work Area Inspection:

[ ] Inspect the work area for any potential hazards or obstacles for both equipment and hand-held tools.
[ ] Ensure adequate lighting for safe equipment and tool operation.
Documentation and Maintenance:

[ ] Verify that the equipment's maintenance log is up-to-date.
[ ] Check service records for completed maintenance and repairs for both equipment and tools.
[ ] Ensure that all required inspections and certifications are current for equipment.
[ ] Review the equipment and tool user manuals and operating instructions.

Inspection Records:

[ ] Document the inspection findings, including any identified issues or deficiencies, for both equipment and tools.
[ ] Record the date and time of the inspection and the inspector's name.
[ ] Indicate whether the equipment and tools passed or failed the inspection.
[ ] File the inspection report in a secure and accessible location.