

## GENERIC EQUIPMENT LIST

Use the following generic equipment list as the starting point for your plant's equipment list. This list uses six to seven digits to specify equipment. The first three digits (**XXX-XXXX**) represent common *equipment types*, such as boilers or curing ovens or air-handling units. The last three or four digits (**XXX-XXXX**) represent sequentially numbered *pieces of equipment*. This numbering method provides a simple way of categorizing your equipment and can be easily communicated. It also allows you to develop equipment trends and should help during data entry when setting up your computerized PM system.

The numbering system attempts to name and number common equipment while setting up a structure for naming and numbering process-specific equipment. The proposed structure for equipment types is:

1XX	Building Equipment
2XX	Generic Process Equipment
3XX-9XX	Process-Specific Equipment

To explain how to use this system, I'll use "air-handling units" as an example. In the proposed generic building equipment list, 165 represents air-handling units. Therefore a plant's air-handling units would be numbered 165-001, 165-002, and on through 165-999. Please note that not all the pieces of equipment grouped in one type have to have the same basic name: For example, 165-001 might be an "office air handler" and 165-009 might be a "maintenance shop fresh air handler." (They also don't have to be the same make or model.)

Reserve 300–900 for process-specific items. To use these numbers, identify the equipment in the process and establish numbers for each type of equipment. Next, number each piece of equipment sequentially by type, just like in the air-handling unit example. Refer back to Chapter 4 for additional information on developing process-specific equipment numbers.

In addition, consider these Helpful Tips:

*Helpful Tip 1.* Don't fall into the trap of thinking that every process line needs its own three- or four-digit number for each piece of equipment. Develop the numbers based on the equipment's function rather than make or model.

*Helpful Tip 2.* If you have more than six process areas, then add a digit to the type category. Under these conditions, the equipment number changes from XXX-XXXX to XXXX-XXXX. However, before taking this step, analyze whether you truly have too many process areas or have failed to categorize equipment types properly.

### Building Equipment List (1XX)

Number	Description	Number	Description
Building General		Building Plumbing	
101	Building, Computer Room	150	Main, Water
102	Building, Exterior	151	Aerator
103	Building, Lunchroom	152	Chlorination System
104	Building, Office	153	Reverse Osmosis System
105	Building, Restroom	154	Well Pump
106	Building, Telephone Room	155	Water Fountains
107	Chemical Storage	156	Water Tower
108	Compactor	157	Water Treatment
109	Elevator	158	Water Meter
110	Hazardous Waste Storage	159	Sewer Flow Meter
111	Roof, General	160-164	<i>Additional Items</i>
112-125	Building, <i>Insert Name of Common Area</i>		
Electrical		HVAC	
130	Electrical Room, General	165	Air-Handling Unit
131	Main, Electrical	166	Chiller, HVAC
132	Distribution Panel (DP)	167	Boiler, HVAC
133	Remote Panel (RP)	168	Fan
134	Generator	169	Cooling Tower, HVAC
135	Intercom System	170	Thermostat
136	Lights, Exterior	171	Air Conditioner
137	Lights, Interior	172	Air Makeup Unit
138	Motor Control Center	173-179	<i>Additional Items</i>
139	Switchgear		
140	Telephone System		
141	Transformer		
142	Local Area Network (LAN)		
143	Wide Area Network (WAN)		
144-149	<i>Additional Items</i>		

### Building Equipment List (1XX) - Continued

<b>Number</b>	<b>Description</b>
	Emergency System
180	Alarm System
181	Fire Door
182	Fire Pump
183	Fire Pump Room, General
184	Fire Vent
185	Post Indicator Valves (PIV)
186	Sprinkler Inspector's Test Point
187	Sprinkler Riser
188	Sprinkler System
189	Lights, Emergency
190	Eye Wash
191-199	<i>Additional Items</i>

### Generic Process Equipment List (2XX)

Number	Description	Number	Description
	Maintenance General		Warehouse
201	Tool, Hand	235	Forklift
202	Tool, Power	236	Pallet Jack
203	Cutting Torch	237	Lights, Dock Doors
204	Welder	238	Dock Locks
205	Saw	239	Dock Levelers
206	Mill	240	Battery-Charging Room, General
207	Lathe	241	Battery Charger
208	Parts Washer	242	Battery Charger
209	Ladder	243	Battery Hoisting Bar
210	Safety Harness	244	Stretch Wrapper
211	Lift, Manual	245	Scale
212	Lift, Powered	246-254	<i>Additional Items</i>
213-219	<i>Additional Items</i>		
Number	Description	Number	Description
	Compressed Air		Process Heating and Cooling
220	Compressor Room, General	255	"Boiler Room," General
221	Compressor	256	Boiler
222	Air Dryer	257	Chiller
223	Tank, Air Receiver	258	Cooling Tower
224	Air Management System	259	Circulating Pumps
225	Condensate Drain Device	260	Heat Exchanger
226	Valve, Pressure Relief	261	Tank, Makeup Water
227	Oil Separator	262-269	<i>Additional Items</i>
228-234	<i>Additional Items</i>		

<b>Number</b>	<b>Description</b>
	Process General
270	Conveyor
271	Crane
272	Vacuum Pump
273	Blower
274	Baghouse
275	Dust Collector
276	Sifter
277	Cyclone
278	Hoist, Manual
279	Hoist, Powered
280-299	<i>Additional Items</i>