This master should be used by designers working on Port of Portland construction projects and by designers working for PDX tenants (“Tenants”). Usage notes highlight a few specific editing choices, however the entire section should be evaluated and edited to fit specific project needs.

SECTION 210519 - GAUGES FOR FIRE SUPPRESSION SYSTEMS

1. GENERAL
	* + 1. DESCRIPTION
				1. This section describes pressure gauges.
			2. SUBMITTALS
				1. For each item specified herein, submit product/material data; shop drawings; operation and maintenance data; as-constructed data; operation and maintenance manuals; and as-constructed drawings.

Use only if Commissioning Section 019100 is included in the project manual.

* + - * 1. For each item specified herein, submit commissioning plans and schedules; checkout, start up, operational, functional and final acceptance test plans, procedures, checklists, and reports; and operation and maintenance training plans.
1. PRODUCTS
	* + 1. PRESSURE GAUGES
				1. Acceptable Manufacturers: Marsh, Ashcroft, Weiss, Trerice, or equal.
				2. Description: 3-inch minimum dial, molded black polypropylene turret case.
				3. Range:

|  |  |  |
| --- | --- | --- |
| System | Pressure (psi) | Graduations (psi) |
| Sprinkler Piping | 0-160 | 1 |

1. EXECUTION
	* + 1. INSTALLATION - GENERAL
				1. Provide pressure gauges where shown on the drawings.
				2. Install devices as required and as recommended by the equipment manufacturer.
				3. Extend all connections, wells, cocks, or gauges to a minimum of 1 inch beyond insulation thickness of the various systems.
				4. Locate instruments so that they may be conveniently read at eye level or easily viewed and read from the floor or from the most likely viewing area, e.g., platform, catwalk, etc.
				5. Install instruments over 6'-6" above floor, to be viewed from the floor, with face at 30 degrees to horizontal.
			2. INSTALLATION - PRESSURE GAUGES
				1. Provide instrument gauge cock at inlets.
				2. Locate pressure gauge taps for measuring pressure drop or increase across pumps, etc., as close to the device as possible.

Choose one of the following two articles. Use Commissioning if Section 019100 is included in the project manual; otherwise use Testing.

* + - 1. COMMISSIONING
				1. Commission items specified herein.
			2. TESTING
				1. Check out, start up, and test items specified herein.

END OF SECTION 210519