



**GSA Pricing of Labor Under Schedule 84 SIN 246-50 Ancillary Services and
SIN 246-51 Installation Involving Construction**

Price List for Wage Rates

For Period from 8/28/11 through 8/27/12

SIN	Reference Number	Trane Position Title	Labor Categories - Exempt/Non-Exempt under Service Contract Act	Description	GSA Ceiling Rate (per Hour)			
					West	Central	Northeast	Southeast
246-50/ 246-51	S020	HVAC Field Technician	Non-Exempt	<p>Functional Description: Responsible for retrofit and repair of environmental-comfort systems, utilizing knowledge of air conditioning theory, pipe fitting, and mechanical layouts.</p> <p>Minimum Experience: Typically requires 5 years of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from a Technical/Trade School with a certificate in Heating, Ventilation, and Air Conditioning and five (5) years related experience; or seven (7) years related experience; or equivalent combination of education and experience.</p>	\$116.84	\$142.46	\$142.11	\$109.36
246-50/ 246-51	S021	HVAC Field Technical – Apprentice	Non-Exempt	<p>Functional Description: Assists HVAC Field Technicians in the installation and repair of environmental control systems, utilizing knowledge of refrigeration theory, control systems, pipe fitting, and structural layouts.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school with a certificate in Heating, Ventilation, and Air Conditioning; or six months to one-year related experience and/or training; or equivalent combination of education and experience.</p>	\$101.46	\$122.71	\$113.07	\$100.87
246-50/ 246-51	S022	HVAC Field Technician – Team Leader	Non-Exempt	<p>Functional Description: Performs and directs HVAC Field Technicians who accomplish the repair/retrofit/replacement installation of environment comfort systems, utilizing knowledge of air conditioning theory, pipe fitting and mechanical layouts.</p> <p>Minimum Experience: Typically requires 5 years of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school with a certificate in Heating, Ventilation, and Air Conditioning; and five (5) years HVAC experience, or equivalent combination of education and experience. Must have knowledge of various HVAC products, systems, electronics, and pneumatic controls.</p>	\$146.42	\$149.30	\$166.39	\$121.92
246-50/ 246-51	S049	HVAC Field Technician – Senior	Non-Exempt	<p>Functional Description: Applies training, knowledge and experience of HVAC systems at a Journeyman level HVAC Service Technician. Performs all work in the service and maintenance field on all major types of equipment, and is responsible for retrofit and repair of environmental-comfort systems, utilizing knowledge of air conditioning theory, pipe fitting, and mechanical layouts.</p> <p>Minimum Experience: Typically requires 7 years of related experience.</p> <p>Minimum Education: Associate's degree (A.A.) or equivalent from a technical / trade school with a certificate in Heating, Ventilation, and Air Conditioning and seven (7) years related experience; or ten (1) years related experience; or equivalent combination of education and experience.</p>	\$134.50	\$144.38	\$148.29	\$118.10



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246-50/ 246-51	S118	Project Administrator – Service	Non-Exempt	<p>Functional Description: Possesses project documentation, materials, job costing, status monitoring, invoicing, and administrative closeout of a service project. This position is required to closely interact with the Project Manager and assigned project staff to ensure the timely completion of services scope of work.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: One-year certificate from college or technical school; or six (6) months to two (2) years or related experience and/or training; or equivalent combination of education and experience. Familiarity with the operation of Energy Management Systems, HVAC Systems, and/or Temperature Controls preferred.</p>	\$97.81	\$88.09	\$92.05	\$91.12
246-50/ 246-51	S154	Service Helper	Non-Exempt	<p>Functional Description: Assists HVAC Field Technicians in routine maintenance and inspections on existing systems.</p> <p>Minimum Experience: Typically requires 1 year of related experience involving building trades or operation and service to buildings or HVAC.</p> <p>Minimum Education: High School Diploma or GED.</p>	\$99.51	\$97.95	\$103.24	\$102.53
246-50/ 246-51	S082	Project Engineer II – Controls	Exempt	<p>Functional Description: Performs hardware and software design activities for building automation systems. Applies engineering principles and practices for work on assigned projects. Designs cost effective control solutions to meet project requirements. Works directly on the project team to assist the Project Manager with project commissioning.</p> <p>Minimum Experience: Typically requires 3-6 years of related experience.</p> <p>Minimum Education: Bachelor's degree in Engineering and 3-4 years experience; or Associate's degree or equivalent from two-year college or technical school in electrical engineering and a certificate in HVAC or AAS and BAS in electrical engineering and 5-6 years related experience; or equivalent combination of education and experience.</p>	\$209.14	\$123.64	\$118.84	\$149.36
246-50/ 246-51	S083	Project Engineer II – Energy	Exempt	<p>Functional Description: Performs technical analysis, review, measurement, and verification of financially guaranteed projects. Provides technical analysis and review for performance monitoring or contracts, and applies engineering principles and practices on assigned projects.</p> <p>Minimum Experience: Typically requires 3 years of related experience.</p> <p>Minimum Education: Bachelor's degree in Engineering and three (3) years experience; or equivalent combination of education and experience. Knowledge and experience with HVAC, control, electrical systems and proficiency with energy analysis tools such as TRACE and system analyzer. Working knowledge of cost and savings studies incorporating energy conservation measures.</p>	\$211.83	\$156.64	\$181.74	\$126.11



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246-50/ 246-51	S084	Project Engineer II – Systems	Exempt	<p>Functional Description: Performs complex planning, estimating and design activities for the layout of equipment, commercial and industrial facilities. Determines the scope of projects, estimates cost, designs and documents HVAC and electrical systems and procures components. Works directly on the project team to assist the Project Manager with project commissioning.</p> <p>Minimum Experience: Typically requires 3-6 years of related experience.</p> <p>Minimum Education: Bachelor's degree in Engineering and 3-4 years related experience; or Associate's degree (A.A.) or equivalent from two-year college or technical school in electrical engineering and a certificate in HVAC or AAS and BAS in electrical engineering and 5-6 years related experience; or equivalent combination of education and experience.</p>	\$211.83	\$129.60	\$181.74	\$126.11
246-50/ 246-51	S085	Project Manager – Controls	Exempt	<p>Functional Description: Manages all aspects of HVAC control projects, from beginning to end, with direct responsibility for project execution while leading a team, or teams, to accomplish specific objectives in a given time frame and with available resources. Responsible for the administration, implementation, and management of HVAC control projects. Ensures assigned projects' scope of work, schedule, and budget are achieved.</p> <p>Minimum Experience: Typically requires 2-6 years of related experience.</p> <p>Minimum Education: Bachelor's degree in Electrical or Mechanical Engineering or Construction Management with a minimum of two (2) years of project management, controls, HVAC or related experience, or a minimum of six (6) years of project management, controls, HVAC or related experience; or an equivalent combination of education and experience.</p>	\$169.48	\$159.51	\$144.85	\$148.54
246-50/ 246-51	S089	Project Manager – Contracts	Exempt	<p>Functional Description: Manages all aspects of HVAC contract projects, from beginning to end, with direct responsibility for project execution while leading a team, or teams, to accomplish specific objectives in a given time frame and with available resources. Responsible for the administration, implementation, and management of control projects. Accountable for assigned projects' scope of work, schedule, and budget.</p> <p>Minimum Experience: Typically requires 2-6 years of related experience.</p> <p>Minimum Education: Bachelor's degree in Electrical or Mechanical Engineering or Construction Management with a minimum of two (2) years of project management, HVAC (systems, equipment, installation or service) or related experience, or a minimum of six (6) years or project management, HVAC (systems, equipment, installation, or service) or related experience; or an equivalent combination of education and experience.</p>	\$181.06	\$135.59	\$150.11	\$149.00



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246-50/ 246-51	S104	Project Engineer Team Leader	Exempt	<p>Functional Description: Performs hardware and software design activities for building automation systems. Applies engineering principles and practices for work on assigned projects. Designs cost effective control solutions to meet project requirements. Works directly with the project team to assist with project commissioning. Directs and assists other project engineers on the team related to opportunities and obstacles in managing the engineering workload. Possesses a familiarity with the concepts of new construction, renovation/retrofit; performance contracting, and service project management.</p> <p>Minimum Experience: Typically requires 2-4 years of related experience.</p> <p>Minimum Education: Bachelor's degree in engineering and two (2) to three (3) years experience; or Associate's degree or equivalent from two-year college or technical school in electrical engineering and a certificate in HVAC or AAS and BAS in electrical engineering and three (3) to four (4) years related experience; or equivalent combination of education and experience.</p>	\$211.83	\$159.31	\$181.74	\$149.36
246-50/ 246-51	S119	Project Administrator – Contracting	Non-Exempt	<p>Functional Description: Responsible for project set-up, document control, data entry, billing, contract monitoring, and administrative closeout of each project. This position is required to closely interact with the Project Manager and assigned project staff to assist with the timely completion of each project.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: One-year certificate from college or technical school; or six (6) months of related experience and/or training; or equivalent combination of education and experience. Familiarity with the operation of Energy Management Systems, HVAC Systems and/or Temperature Controls preferred.</p>	\$93.42	\$101.08	\$114.08	\$101.44
246-50/ 246-51	S120	Computer Aided Drafter	Non-Exempt	<p>Functional Description: Responsible for creating computer aided design (CAD) drawings using standard CAD digitizing techniques and skills. Also responsible for the system graphics required to support automation systems design.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: Associate's degree from college or technical school in Computer-Aided Design or Drafting; or at least six (6) months related experience and/or training; or equivalent combination of education and experience. Working knowledge of AutoCAD or other computer aided design, Microsoft Office software required.</p>	\$100.25	\$69.91	\$81.39	\$68.02
246-50/ 246-51	S121	Controls Technician	Non-Exempt	<p>Functional Description: Performs more complex commissioning, diagnosis, and repair of environmental-control systems, utilizing knowledge of electronics, direct digital control, airflow, hydronics, refrigeration theory, and control techniques.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school or six (6) months experience in control systems; or equivalent combination of education and experience.</p>	\$131.27	\$121.49	\$142.46	\$125.64



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246-50/ 246-51	S152	Controls Technician – Entry Level	Non-Exempt	<p>Functional Description: Performs and assists under direction complex commissioning, diagnosis, and repair of environmental-control systems, utilizing knowledge of electronics, direct digital control, airflow, hydronics, refrigeration theory, and control techniques. Performs these tasks on simple control projects.</p> <p>Minimum Experience: Typically requires 6 months of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school or six (6) months experience in control systems; or equivalent combination of education and experience.</p>	\$131.27	\$104.72	\$117.13	\$125.63
246-50/ 246-51	S167	Project Engineer I – Systems	Non-Exempt	<p>Functional Description: Project development - Performs planning, estimating and design activities for the layout of equipment, commercial and industrial facilities. Assists in determining the scope of projects, estimates cost, designs and documents HVAC and electrical systems and procures components. Works directly on the project team to assist the Project Manager with project commissioning.</p> <p>Minimum Experience: Typically requires 4-5 years of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school in electrical engineering and a certificate in HVAC or AAS and BAS in electrical engineering and 4-5 years related experience; or equivalent combination of education and experience.</p>	\$87.16	\$89.05	\$123.29	\$108.71
246-50/ 246-51	S168	Project Engineer I – Energy	Non-Exempt	<p>Functional Description: Project development - provides technical analysis and review for performance monitoring on contracts. Applies knowledge of technology and applications on assigned projects.</p> <p>Minimum Experience: Typically requires 5-6 years of related experience.</p> <p>Minimum Education: Knowledge and 5-6 years experience with HVAC, control, electrical systems and proficiency with energy analysis tools such as TRACE and system analyzer. Working knowledge of cost and savings studies incorporating energy conservation measures.</p>	\$87.16	\$89.05	\$123.29	\$108.71
246-50/ 246-51	S169	Project Engineer I – Controls	Non-Exempt	<p>Functional Description: Project development which includes applying engineering principles and practices on assigned projects. Designs cost effective control solutions to meet project requirements. Works directly on the project team to assist with project commissioning.</p> <p>Minimum Experience: Typically requires 4-5 years of related experience.</p> <p>Minimum Education: Associate's degree or equivalent from two-year college or technical school in electrical engineering and a certificate in HVAC or AAS and BAS in electrical engineering and 4-5 years related experience; or equivalent combination of education and experience.</p>	\$87.16	\$89.05	\$123.29	\$108.71