SECTION 07 76 00

PEDESTAL ROOF PAVING SYSTEMS

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\*\* NOTE TO SPECIFIER \*\* Appian Way Sales, Inc.; pedestal roof paving systems.
This section is based on the products of Appian Way Sales, Inc., which is located at:
12300 31st Ave. NE, Suite C
Seattle, WA 98125
Toll Free: 877-365-0440
Phone: 206-418-0440
Email: Sales@awspedestals.com
Web: www.awspedestals.com
click Herefor additional information
As a paver installation company, Appian Construction began installing sand set pavers and bricks in 1984. Over time the industry demand for products to elevate pavers, inspired Appian Construction to begin on a pedestal system of their own. Today, Appian Way Sales Inc. is the developer and manufacturer of all AWS Pedestal products including the adjustable Diamond Head Series, Perimeter Pedestal System and the Joist Plate System. The products distributed by Appian Way Sales are used to elevate and support pavers, natural cut stone, ceramic tiles and wood tile systems. AWS Pedestals have been supporting pavers since the year 2000.
Always innovating, AWS Pedestals introduced an adjustable head system in the fall of 2014. Initial focus on the Pacific Northwest use of the AWS Pedestal Systems has now spread across the country. AWS Pedestals are no longer a regional product. The pedestal systems are now offered in all fifty states and the provinces of Canada (through a Canadian distributor).
At Appian Way Sales, Inc. Service is the key to our company success. Call the distribution office to discuss your project and get assistance determining your pedestal needs. Expect a prompt return quote including shipping costs to the destination of your choice. AWS Pedestal Systems is here to provide all your service needs.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Pedestal roof paving systems.
		2. Pedestal roof paving systems with perimeter pedestals.
		3. Joist deck paving systems.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 32 14 23 - Asphalt Unit Paving
		2. Section 03 30 00 - Cast-in-Place Concrete.
		3. Section 06 10 00 - Rough Carpentry.
		4. Section 07 62 00 - Sheet Metal Flashing and Trim.
		5. Section 07 10 00 - Dampproofing and Waterproofing.
		6. Section 07 50 00 - Membrane Roofing.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
			1. ASTM D635: Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
			2. ASTM D1784: Standard Specification for Rigid Poly Vinyl Chloride (PVC) Compounds and Chlorinated Poly Vinyl Chloride (CPVC) Compounds.
			3. ASTM D2241: Standard Specification for Poly Vinyl Chloride (PVC) Pressure-Rated Pipe (SDR Series).
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and installation instructions.
			3. Maintenance instructions and recommendations.
			4. Catalog pages illustrating products to be incorporated into project.
			5. Certified test reports showing compliance with specified performance characteristics and physical properties.
			6. Documentation verifying that components and materials specified in this Section are from single manufacturer.
	2. QUALITY ASSURANCE
		1. Source Limitations: Obtain components and accessories specified in this Section through one source from a single approved manufacturer.
		2. Manufacturer Qualifications: The manufacturer of products specified herein shall have a minimum 5 years of experience in the fabrication and installation of similar products.
			1. Having sufficient capacity to produce and deliver required materials without causing delay in work.
			2. Capable of providing instructional assistance during construction.

\*\* NOTE TO SPECIFIER \*\* Delete one of the two following options for installer qualifications.

* + 1. Installer Qualifications: Minimum 2 years experience with similar installations and acceptable to the manufacturer of paver system.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Deliver, store and handle materials and products in strict compliance with manufacturer's instructions and recommendations.
		2. Deliver and store materials in manufacturer's original packaging with identification labels intact.
	2. PROJECT CONDITIONS
		1. Field Measurements: Verify field measurements as indicated on Shop Drawings. Where measurements are not possible, provide control dimensions and templates.
		2. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	3. SEQUENCING
		1. Coordinate pedestal work with work of other trades for proper time and sequence to avoid construction delays.
		2. Sequence and schedule work of this section to ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + 1. Pre-Installation Meeting: Convene minimum two weeks prior to starting work of this section.
	1. WARRANTY
		1. Provide manufacturer's standard limited warranty for products specified herein.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Appian Way Sales, Inc. , which is located at: 12300 31st Ave. N.E. Suite C; Seattle, WA 98125; Toll Free Tel: 877-365-0440 ; Tel: 206-418-0440; Email: [request info (sales@awspedestals.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=Appian+Way+Sales,+Inc.+&coid=48786&rep=&fax=&message=RE:%20Spec%20Question%20(07760aws):%20%20&mf=); Web: <https://awspedestals.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. PEDESTAL ROOF PAVING SYSTEMS
		1. Compliance: Provide products in compliance with the following, in locations and quantities as scheduled and indicated on Drawings.
			1. ABS Plastics: ASTM D635 plastic material classified as CC1.
			2. PVC Pipe:
				1. ASTM D1784, Type I, Grade I Polyvinyl Chloride (PVC) compound with a Cell Classification of 12454.
				2. Manufactured in accordance with ASTM D2241.
			3. Rubber: Manufacturer's shall use 100 percent recycled rubber, standard.

\*\* NOTE TO SPECIFIER \*\* Retain paragraph for ' Perimeter Pedestals for Roof Paving Systems' in this Article when retaining the second option. Delete one of two options for system description below.

* + 1. System Description: Pedestal roof paving systems and accessories in locations and quantities as scheduled and indicated on Drawings.
		2. System Description: Pedestal roof paving systems, perimeter pedestals and accessories in locations and quantities as scheduled and indicated on Drawings.

\*\* NOTE TO SPECIFIER \*\* Sustainably designed, the components of this system are constructed of fully recyclable, durable ABS and PVC plastics; and 100 percent recycled rubber for the Buffer Pad. We are always innovating! The AWS Pedestal System just got better with the Diamond Head Series, the two-piece top cap twists from 1/8 inch to 1-1/4 inch (3.2 mm to 32 mm), to virtually eliminate PVC cutting in the field. It is supported by a 6-1/2 inch (165 mm) new base cap for balance, and on most membranes this pedestal virtually eliminates the need for a "barrier piece" against the membrane. All shims lock with the new Diamond Head Series pieces to fine tune support and eliminate "rockers". AWS was developed by installers for installers. Its new twist-adjust and snap-together shims are efficient, economical, strong, and proven. AWS is being widely used throughout the US and Canada by architects, builders, and homeowners. More affordable than other pedestals of its size, AWS takes its proven pedestal system to the next level. Contact your distributor prices. Delete if not required.

* + 1. Pedestal Roof Paving Systems: Diamond Head Series AWS Pedestal Systems as manufactured by Appian Way Sales, Inc.
			1. Compatibility: Ensure components and materials are compatible with specified accessories and adjacent materials.
			2. Adjustment: Two-piece top cap twists from 1/8 inch to 1 inch (3.2 mm to 25 mm).
			3. Base Caps: 6-1/2 inches (165 mm) diameter.
			4. PVC Piping: SDR 35, nominal 4 inches (102 mm) piping.
				1. Interior Diameter: 3.975 inches (101 mm).
				2. Outside Diameter: 4.215 inch (107 mm).
				3. Tested to 36 inches (914 mm) at 3250 PSI (22,407 kPa).

\*\* NOTE TO SPECIFIER \*\* Your project deserves a more professional edge piece. AWS Pedestal Systems now brings the answer to these difficult edging dilemmas with our new Perimeter Pedestal. It snaps together similarly to the full pedestal system and to its component shim pieces. The Perimeter Pedestals use Top Caps and Base Caps secured with nominal 1-1/2 inch SCH40 DWV PVC to effectuate its elevation. Comprehensive tested to 10 inches (254 mm) at 15,000 PSI (103,420 kPa). Delete if not required.

* + 1. Perimeter Pedestals for Roof Paving Systems: AWS Perimeter Pedestals as manufactured by Appian Way Sales, Inc.
			1. Compatibility: Ensure components and materials are compatible with specified accessories and adjacent materials.
			2. PVC Piping along Perimeter: SDR 40.
				1. Interior Diameter: 1-1/2 inch (38 mm).
				2. Tested to 10 inches (254 mm) at 15,000 PSI (103,420 kPa).
			3. Shims: Twist-adjust and snap-together shims; lock into place with supports for precise field adjustment

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* + 1. Auxiliary Products for Pedestal Roof Paving Systems: As manufactured by Appian Way Sales, Inc.
			1. Shims: Twist-adjust and snap-together shims; lock into place with supports for precise field adjustment.

\*\* NOTE TO SPECIFIER \*\* Optional buffer pad is recommended by manufacturer. Delete options for buffer pads not required.

* + - 1. Buffer Pads: Provide optional buffer pads in locations and materials as selected by Architect.
			2. Buffer Pads: Provide optional buffer pads in locations and materials as scheduled and indicated on Drawings.
			3. Buffer Pads: Provide optional rubber buffer pads in locations as scheduled and indicated on Drawings.
			4. Buffer Pads: None.

\*\* NOTE TO SPECIFIER \*\* Slope Compensators recommended by manufacturer for vertically leveling pedestals for slopes greater than 2 percent. Delete options for slope compensators not required.

* + - 1. Slope Compensators: Provide optional rubber slope compensators in locations as scheduled and indicated on Drawings.
			2. Slope Compensators: None.

\*\* NOTE TO SPECIFIER \*\* Tired of maintaining that old wood deck against the sun and weather? The AWS Joist Plate System is a new answer to an age-old problem. Durable, versatile pavers as a deck surface will stand the test of time. The AWS Joist System was developed and patented by contractor-installers, who found pedestal systems were cumbersome, expensive, and difficult to install. The snap-together AWS Pedestal System with its Joist Plate System for architectural slabs and other gauged materials are being used over the existing joists of a tired old deck to bring new life into a favorite yard. See why our Pedestals and Joist Plates are being used throughout the United States by contractors and homeowners alike to create inviting places to gather and stay. Delete if not required.

* + - 1. JOIST PLATE PAVING SYSTEMS
		1. Compliance:
			1. ABS Plastics: ASTM D635 plastic material classified as CC1.
			2. Rubber: Manufacturer's shall use 100 percent recycled rubber, standard.
		2. Joist Plate Paving Systems: AWS Joint Plate Systems as manufactured by Appian Way Sales, Inc.
			1. Compatibility: Ensure components and materials are compatible with specified accessories and adjacent materials.
			2. deck surface will stand the test of time.
			3. The snap-together AWS Pedestal System with its Joist Plate System for architectural slabs and other gauged materials are being used over the existing joists of a tired old deck.
1. EXECUTION
	1. EXAMINATION AND PREPARATION
		1. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
		2. Prepare substrates using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
		3. Do not proceed with installation until substrates have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.
		4. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions
	2. INSTALLATION
		1. Comply with manufacturer's installation instructions and approved submittals.
		2. Install pedestal roof paving systems plumb, square, in proper alignment with adjacent construction.
	3. ADJUSTING
		1. Prior to installation, adjust components of roof pedestal paving systems to within tolerances recommended by manufacturer.
	4. CLEANING AND PROTECTION
		1. Clean exposed surfaces. Protect installed products until completion of project.
		2. Repair or replace defective work as directed by Architect upon inspection.

END OF SECTION