This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

 Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select of deselect HIDDEN TEXT.

This guide specification section has been prepared by Envirospec Inc./Pave-El for use in the preparation of a project specification section covering pedestals and pavers for use on balconies, plaza decks, green roof decks, protected membrane roof systems, roof garden walkways, rooftop access walkways, dry deck type fountains, and other similar uses. Pavers may be precast concrete, wood, porcelain, stone, or other material.

The following should be noted in using this specification:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are shown in blue text, e.g.:

[www.acme.com](http://www.acme.com)

Optional text requiring a selection by the user is enclosed within brackets and shown in red text, e.g.: “Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and shown in red text, e.g.: "Section [\_\_ \_\_ \_\_ - \_\_\_\_\_\_\_\_]."

Optional paragraphs are separated by an "OR" statement shown in red text, e.g.:

 \*\*\*\* OR \*\*\*\*

For assistance in the use of products in this section, contact Envirospec, Inc. by calling 905-271-3441 or visit their website at [www.envirospecinc.com.](http://www.envirospecinc.com)

**SECTION 07 76 00 - ROOF PAVERS**

1. **GENERAL**
	1. SUMMARY
		1. Section Includes:
			1. Paver pedestals.
			2. [Precast concrete] [Wood] [Porcelain] [Stone] [\_\_\_\_] pavers.
	2. SUBMITTALS
		1. Submittals for Review:
			1. Product Data: Manufacturer’s descriptive data including compressive force calculation of supportive surface loading for anticipated paver live and dead load using specified pedestal size.
	3. QUALITY ASSURANCE
		1. Design Requirements: Pedestal paver system to withstand [50] [100] [200] [\_\_] PSF ([2.40] [4.79] [9.58] [\_\_] kpa) live load
		2. Manufacturer Qualifications: Design, production, distribution and service from a single entity whose primary product are paver pedestal systems.
		3. Installer Qualifications: Minimum [2] [\_\_] years [documented] experience in work of this Section.
		4. Mockup: Minimum [8 x 8] [\_\_x \_\_] feet ([2400 x 2400] [\_\_ x \_\_] mm). Approved mockup [may] [may not] remain as part of the Work.
	4. PROJECT CONDITIONS
		1. Do not install products when environmental conditions are outside of manufacturer’s recommended limits.
	5. WARRANTIES
		1. Provide paver pedestal manufacturer’s 5 year warranty against defective materials.
2. **PRODUCTS**
	1. MATERIALS

The Pave-El system is not recommended for vehicular traffic applications. The system was designed for use with square or rectangular pavers. Consult with Envirospec Inc. for use with other shapes.

Minimum compression resistance of force of pedestal substrate is 30 PSF. Consult membrane manufacturer, insulation manufacturer, and Envirospec Inc. if uncertain about compatibility of membrane and pedestals.

* + 1. Paver Pedestals:
			1. Pedestal paver system: Grid-like structure with integral spacer ribs on top surface, incorporating through-drainage and air ventilation.
			2. Source: Pave-El Paver Pedestals by Envirospec Inc. / Pave-El, [www.envirospecinc.com](http://www.envirospecinc.com) [or approved substitute].
			3. Composition: High density polyethylene, ultraviolet stabilized.
			4. Size: [4-1/2 x 4-1/2 inches (114 x 114 mm) x 5/8 (16 mm) inch high.] [5-1/2 x 5-1/2 inches (140 x 140 mm) x 5/8 inch (16 mm) high.] [5-3/4 x 5-3/4 inches (146 x 146 mm) x 5/8 inch (16 mm) high.] [7-3/4 x 7-3/4 inches (197 x 197 mm) x 7/8 inch (22 mm) high.]
			5. Levelling plates: Pedestal base size x 1/8 inch (3 mm) thick.
			6. Color: Black.
		2. Pavers:
			1. Type: [Precast concrete.] [Wood.] [Porcelain.] [Stone.]
			2. Source: [\_\_\_\_] by [\_\_\_\_] [or approved substitute].

18 inches by 18 inches (457 mm by 457 mm) is the smallest paver size recommended by Envirospec, Inc.

* + - 1. Size: [18 x 18] [24 x 24] [36 x 36] [\_\_ x \_\_] inches ([450 x 450] [600 x 600] [900 x 900] [\_\_ x \_\_] mm) x [2] [2-1/2] [3] [\_\_] inches ([50] [63] [75] mm) thick.

Retain the following for precast concrete pavers.

* + - 1. Color: [\_\_\_\_.] [To be selected from manufacturer's full color range.]
			2. Surface texture: [\_\_\_\_.]

\*\*\*\* OR \*\*\*\*

Retain the following for wood pavers.

* + - 1. Species: [Ipe.] [Cumaru.] [Teak.] [Mahogany.] [\_\_\_\_.]
			2. Color: [Natural.] [\_\_\_\_.] [To be selected from manufacturer's full color range.]
			3. Surface texture: [Smooth.] [Ribbed.] [\_\_\_\_.]
			4. Finish: [Factory [stained and] sealed.] [Unfinished.]
			5. [Fire hazard classification:Class A, tested to ASTM E108.]
			6. [FSC Certified.]

\*\*\*\* OR \*\*\*\*

Retain the following for porcelain pavers.

* + - 1. Color: [\_\_\_\_.] [To be selected from manufacturer's full color range.]
			2. Surface texture: [Smooth.] [\_\_\_\_.]

\*\*\*\* OR \*\*\*\*

Retain the following for stone pavers.

* + 1. Stone Pavers:
			1. Type: [Granite. [Limestone.] [\_\_\_\_.]
			2. Surface texture: [Honed.] [Thermal.] [\_\_\_\_.]
1. **EXECUTION**
	1. PREPARATION
		1. Confirm that pedestal size does not exceed compressive strength of pedestal supporting substrate.
	2. INSTALLATION
		1. Install paver pedestal system in accordance with manufacturer’s instructions.
		2. Where dead level paver surface is required utilize levelling plates and multiple stacking of pedestals to achieve level surfaces. Locate levelling plates on top of upper pedestal.
		3. Locate first row of pavers at an exterior edge, using 1/2 pedestals at edges and 1/4 pedestals at corners and partial angled paver locations.
		4. Run subsequent rows of pavers parallel to first row.
		5. Place pedestals with projecting ribs facing up. Place pavers tight to spacer ribs.
		6. Lower pavers horizontally without nosing into position.
		7. Align and shim pavers as work progresses.
		8. Maximum variation in height between adjacent pavers for walking surfaces: 1/8 inch (3 mm).
		9. At perimeter and around protrusions where cutting pavers to fit is not practical, use coarse gravel with binder in voids.

END OF SECTION