PART 1 — GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the contract, including general and supplementary conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following: Ceiling tiles composed of 100% non-porous polymer surface over dense material mineral alloy for superior performance without sacrificing cleanability
   1. Commercial ceiling tiles [2’ x 4’, and 2’ x 2’].
   2. Installation.

B. Related Sections include the following:
   1. Parkland™ MagnaTile™ LEED applicability: see section 1.4 E. LEED submittals. Manufacturer's product content statement available upon request.
   2. Division 9 Section “Ceiling Tiles”.

1.3 DEFINITION

A. Parkland MagnaTile™ ceiling tiles are defined as waterproof polymer veneer surface over a core composition of high density, VOC-free, compressed mineral and industrial fiber alloy construction, maintaining the same composition throughout the part with an energy managing rear surface, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified..

B. Appearance: Monochromatic colored tile.

1.4 SUBMITTALS

A. Product data:
   1. MagnaTile water-resistant mineral alloy ceiling tiles.
      a. Chemical resistance, no effect with:
         1) Soapy Water
         2) Detergent Solution
         3) Ammonia-based cleaners
         4) Isopropyl Alcohol

B. Installer instruction requirements:
   1. Show location of areas where ceiling tiles are to be installed.
      a. Commercial installations: Show locations and sizes of cutouts, panel seams, and holes for fixtures, and other items installed in any ceiling tile panels.
   2. For notches and cut outs, leave minimum 1/4" smooth radius at all inside corners to distribute stress.

C. Samples:
   1. For each ceiling tile product specified.
      a. Manufacturer will supply minimum 4-inch by 4-inch sample in specified finish.
      b. Indicate full range of color and pattern variation.
   2. Approved samples will be retained by manufacturer as a standard for work.

D. Product data:
   1. Product description, installation information and compliance with specified performance requirements to be agreed upon prior to receipt of order.

E. LEED submittals:
   1. MR Credit 5.1 and 5.2 Regional Materials: [All finishes].
      a. Product weight for MagnaTile standard product: are 1.0 Lb./ S.F.
      b. Product origin: Middlebury, Indiana.

F. Product certificates:
   1. Signed manufacturer's statement of compliance available upon request with each purchase order.

G. Fabricator/installer qualifications:
   1. Tile installation requires no training.

H. Maintenance data:
   1. Use and Care Guide available upon request.

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1.5 QUALITY ASSURANCE QUALIFICATIONS

A. Applicable standards:
1. Standards of the following, as referenced herein:
a. American National Standards Institute (ANSI)
b. American Society for Testing and Materials (ASTM)
c. Underwriters Laboratories (UL)

2. Fire test response characteristics:
a. Provide with the following Class A (Class I) surface burning characteristics as determined by testing identical products per UL 723 (ASTM E84) or another testing and inspecting agency acceptable to authorities having jurisdiction:
1) Flame Spread Index: 0 (Class-I)
2) Smoke Developed Index: 0 (Class-I)

1.6 DELIVERY, STORAGE AND HANDLING- Manufacturer will:

A. Deliver no components to project site until areas are ready for installation.
B. Store components indoors prior to installation.
C. Handle materials to prevent damage to finished surfaces.

1.7 WARRANTY

A. Provide manufacturer's warranty against defects in materials.
1. Warranty shall provide material to repair or replace defective materials.
2. Damage caused by physical or chemical abuse or damage from excessive heat or abrasion will not be warranted.
3. Warranty shall be non-transferable to subsequent owners.

B. Manufacturer's Warranty Period:
1. Five years from date of purchase.

1.8 MAINTENANCE

A. Routine and regular cleaning with soapy water.
B. Removal of stains with common household cleansers, and a small amount of cleaning solution in a rag for very stubborn stains. See ***Ceiling Tile Products Use & Care Guide*** for more information.

PART 2 — PRODUCTS

2.1 MANUFACTURER

A. Parkland Plastics™
104 Yoder Drive
Middlebury, INDIANA
46540 USA
1-800-835-4110

2.2 MATERIAL PROPERTIES

A. Description:
1. Parkland MagnaTile™ ceiling tiles are defined as waterproof polymer veneer surface over a core composition of high density, VOC-free, compressed mineral and industrial fiber alloy construction, maintaining the same composition throughout the part with an energy managing rear surface, meeting applicable building materials standards; NEMA, UL, ANSI, ASTM, having minimum physical, performance, and environmental properties specified..

a. Thickness: 0.250" [1/4"]
b. Sizes: 2' x 2', and 2' x 4'

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2.2 MATERIAL PROPERTIES (continued)

B. Performance characteristics:

1. MagnaTile™

ASTM E-84	Flame spread	0
ASTM E-84	Smoke Development	0
Density	Pounds/ SF	1.0
ASTM D-3273	Mold Resistance	10 [best]
ASTMD-256	NRC Coefficient	.55 [acoustic]
Ion Chromatography	VOC Content	0
Ion Chromatography	Corrosive Content	o

2.3 Institutional Affiliations and Approvals

A. Complete NAHB stain testing results available.
B. UL-Passes E-84, Class-I

2.4 Material Qualifications

A. Does not support the growth of mold or mildew.
B. All products 100% fiberglass-free
C. All products VOC-free
D. All products free of corrosive materials.

2.5 Accessories, Adhesives, and Sealant

A. None required.

2.6 Finishes- Select from manufacturer's available standard and custom

A. Color:

1. Matte White

B. Finish [pattern]:

1. Acoustic II, Staccato
2. Other finishes available by special order.

PART 3 — EXECUTION [Installation process]

3.1 EXAMINATION

A. Upon request, manufacturer will assist customer, with installer present, to examine supporting fixtures with installer present for compliance with requirements.
B. Installers to proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION: Installer will:

A. Install ceiling tiles in support fixtures [grid] in accordance with approved specifications.

1. Finish any cut tile edges for a workmanlike appearance with fine sandpaper.
2. Remove surface residue and clean entire surface.
3. For notches and cut outs, leave minimum 1/4" smooth radius at all inside corners to distribute stress.

3.3 CLEANING AND PROTECTION

A. Keep components clean during installation, or clean and cover with protective covering.
B. Remove adhesives, sealants and other stains.

3.4 SCHEDULE

A. Ceiling tiles:

a. Pattern _____ Color Matte White_____

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ARCHITECT'S SPECIFICATION:

Parkland™ MagnaTile™ Architectural Specification:

Ceiling tiles shall be of high-pressure magnesium mineral alloy with two-side lamination of waterproof polymer front surface, and energy managing rear surface. Tiles shall be water-resistant, and not support the growth of mold or mildew, and shall have a Class-I fire rating with 0 flame spread and 0 smoke development.

Approved manufacturer:

Parkland Plastics™
104 Yoder Drive
Middlebury, INDIANA 46540

Color to be: Matte White
□ Acoustic II
□ Staccato

For more information call: 800.835.4110 • or Visit: www.parklandplastics.com

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