STATEMENT OF PURPOSE & BACKGROUND

- **Scope:**
  - Sheet vapor barrier installed under interior concrete slabs on- and below-grade.

- **Statement of goals:**
  - Controls transmission of moisture vapor to levels allowable by selected topping and floor finish.

- **Revision history of section:**
  - 8/21/2018 (date of adoption)
  - 02/02/21 (renamed)

- **Related Sections:**
  - 32 13 13 – Exterior Concrete Paving

SELECTION AND APPLICATION CRITERIA

- Complies with ASTM E1745 Class A.
- Thickness: 15 mils.
- Provide manufacturer’s recommended accessory products including tape, adhesives, mastic etc. for sealing seams and penetrations in vapor barrier.

OUTLINE SPECIFICATION

- **Part 1 General**
  - For all on- and below-grade concrete slabs, a confirmed and permanently effective, low-permeance vapor retarder/barrier is required. Permeance shall not exceed 0.01 perms when tested in accordance with ASTM E96.

- **Part 2 Products**
  - Approved Manufacturers:
    - Raven Industries Inc.; VaporBlock 15
    - Stego Industries LLC; Stego Wrap Vapor Barrier, 15 mil
    - W. R. Meadows Inc.; Perminator 15 mil
  - Equivalent manufacturers approved, in writing, in advance, by the Architect, may be substituted in accordance with the provisions of the Contract.

- **Part 3 Execution**
  - Per Consultant and / or manufacturer specification.
  - Install vapor barrier under interior slabs on- and below-grade grade; lap sheet over footings and seal to foundation walls.
  - Place vapor barrier directly beneath the concrete, on top of the granular fill.
  - Lap joints a minimum of 6 inches.
  - Seal joints, seams and penetrations watertight.

End of Section