**StoTherm® - 1177-SM-150**
Small Missile Hurricane Impact Resistant System
Miami-Dade County NOA # 18-0319.16 Expires: 08/11/2021

**Detail No.: 10H.15**
Date: April 2019

**Notes:**
2. Materials deemed equivalent or better may be substituted based on analysis by a qualified engineer and/or at the discretion of the local code official in locations outside of the High Velocity Hurricane Zone (Dade and Broward Counties).
3. Refer to Sto specifications and product bulletins for detailed information on mixing and application of products.

**HVHZ**
Design Pressure: ± 150 p.s.f.

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1. **System Components:**

- 6", 16 ga. Steel Studs at 16-inches on center.
- 5/8” fiberglass faced ASTM C-1177 sheathing
- Sto Primer/Adhesive-B
- Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
- Sto Gold Coat®
- Sto Finish

2. **ASTM C1177 Compliant Sheathing Options:**

- National Gypsum eXP
- USG Seucrock
- Continental Weather Defense

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StoTherm® ci - 1177-SM-150
System Components: Ultra-High Impact Resistance

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 3/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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Termination at Grade
Sheathing Flush with Foundation or Slab Edge

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 1/2" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Termination at Grade
Sheathing Overlapping Slab or Foundation

Notes:

1. System Components:
- 6”, 16 ga. Steel Studs at 16-inches on center.
- ³⁄₄” fiberglass faced ASTM C-1177 sheathing
- Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
- Gold Coat
- Sto Primer/Adhesive-B
- Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
- Sto Mesh Embedded in Sto Primer/Adhesive-B
- Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
- National Gypsum eXP
- USG Securock
- Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Aesthetic Feature Band

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

3. Return Sto Flexyl vertically 4" (102mm) above and below feature band.
   - Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

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StoTherm® ci - 1177-SM-150
Aesthetic Reveal - Option 1

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 1/2" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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1. System Components:

- 6”, 16 ga. Steel Studs at 16-inches on center.
- ½” fiberglass faced ASTM C-1177 sheathing
- Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
- Gold Coat
- Sto Primer/Adhesive-B
- Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
- Sto Mesh Embedded in Sto Primer/Adhesive-B
- Sto Finish

2. ASTM C1177 Compliant Sheathing Options:

- National Gypsum eXP
- USG Securock
- Continental Weather Defense

- Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.
StoTherm® ci - 1177-SM-150
Window Sill / Receptor Style

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense
   - Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

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StoTherm®ci - 1177-SM-150
Window Head / Receptor Style

Notes:

1. **System Components:**
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. **ASTM C1177 Compliant Sheathing Options:**
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Window Jamb / Receptor Style

6", 16 ga. Steel Studs at 16-inches on center.

Rough Opening Protection

5/8" fiberglass faced ASTM C-1177 sheathing
(See Note 2)

Sto Gold Coat®

Sto Finish

Sto Mesh Embedded in Sto Primer/Adhesive-B

Sto Backer Rod and Sealant

Sto Back Wrap

Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1-inch Thick

Sto Primer / Adhesive-B

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 3/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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**StoTherm® ci - 1177-SM-150**

**Soffit: Uninsulated and Vented**

**Notes:**

1. **System Components:**
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. **ASTM C1177 Compliant Sheathing Options:**
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Floor Line Without Deflection

Notes:

1. System Components:
   - 6”, 16 ga. Steel Studs at 16-inches on center.
   - \( \frac{3}{4} \)” fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Floor Line With Deflection - No Drainage at Floor Line

Notes:

1. System Components:
   - 6" 16 ga. Steel Studs at 16-inches on center.
   - 3/8" fiberglass faced ASTM C-1177 sheathing
   - Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense
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StoTherm® ci - 1177-SM-150
Floor Line With Deflection - Flashing and Drainage at Floor Line

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 3/8" fiberglass faced ASTM C-1177 sheathing
   - Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm®ci - 1177-SM-150
Vertical Expansion Joint in Back-Up Wall

6" fiberglass faced ASTM C-1177 sheathing
(See Note 2)

Plan

6", 16 ga. Steel Studs at 16-inches on center.

\( \frac{5}{8} \)" fiberglass faced ASTM C-1177 sheathing

1. System Components:
- 6", 16 ga. Steel Studs at 16-inches on center.
- \( \frac{5}{8} \)" fiberglass faced ASTM C-1177 sheathing
- Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
- Gold Coat
- Sto Primer/Adhesive-B
- Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
- Sto Mesh Embedded in Sto Primer/Adhesive-B
- Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
- National Gypsum eXP
- USG Securock
- Continental Weather Defense

- Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

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StoTherm® ci - 1177-SM-150
Termination at Parapet

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 1/4" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Diverter Flashing at Roof Abutment

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 3/8" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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StoTherm® ci - 1177-SM-150
Gravel Stop

Notes:

1. System Components:
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 2" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. ASTM C1177 Compliant Sheathing Options:
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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**StoTherm® ci - 1177-SM-150**

**Scupper Penetration**

**Notes:**

1. **System Components:**
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 2" fiberglass faced ASTM C-1177 sheathing
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County EPS, 1.0 pcf, Minimum 1-inch Thick
   - Sto Mesh Embedded in Sto Primer/Adhesive-B
   - Sto Finish

2. **ASTM C1177 Compliant Sheathing Options:**
   - National Gypsum eXP
   - USG Securock
   - Continental Weather Defense

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