StoTherm® - 1177-LM-150
Large Missile Hurricane Impact Resistant System
Miami-Dade County NOA # 18-0319.15 Expires: 08/11/2021

Detail No.: 10H.14
Date: April 2019

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

5/8-inch fiberglass faced ASTM C-1177 sheathing

Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B

Sto Gold Coat®

Sto Primer/Adhesive-B

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

Sto Mesh Embedded in Sto Primer/Adhesive-B

Sto Finish

No. 6 x 1-1/4" Screws Spaced at 6 inches On-Center Along Studs in Field and Perimeter.

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.
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

- 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-LM-150
System Components: Ultra-High Impact Resistance

Notes:

1. System Components:
   - 6”, 16 ga. Steel Studs at 16-inches on center.
   - ¾" 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-LM-150
Termination at Grade
Sheathing Flush with Foundation or Slab Edge

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
   - Sto Gold Coat
   - Sto Primer/Adhesive-B
   - Miami-Dade County Listed 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-LM-150
Termination at Grade
Sheathing Overlapping Slab or Foundation

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-LM-150
Aesthetic Feature Band

Detail No.: 10H.14.04
Date: February 2019

Notes:

1. **System Components:**
   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced
     ASTM C-1177
   - 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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StoFinish
Sto Mesh Embedded in Sto Primer/Adhesive-B

Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
Sto Primer / Adhesive-B
Sto Gold Coat®

Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B

Sto Base Coat (with Sto Detail Mesh Embedded)

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

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

Batt Insulation

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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Sto Finish

Sto Mesh Embedded in Sto Primer/Adhesive-B

Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B

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

Sto Primer/Adhesive-B

Sto Gold Coat®

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

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

Batt Insulation

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-LM-150
Window Sill / Receptor Style

Detail No.: 10H.14.23A
Date: February 2019

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-LM-150
Window Head / Receptor Style

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-LM-150
Window Jamb / 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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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

- 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.
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-LM-150
Floor Line Without Deflection

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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- 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-LM-150
Floor Line With Deflection - No Drainage at Floor Line

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Notes:

1. System Components:

   - 6", 16 ga. Steel Studs at 16-inches on center.
   - 5/8" fiberglass faced ASTM C-1177 sheathing
   - Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
   - Sto Primer / Adhesive-B
   - Sto Gold Coat®
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - StoGuard® Transition Membrane Embedded in StoGuard® Air and Moisture Barrier
   - Sto Back Wrap
   - Backer Rod and Sealant
   - 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-LM-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.
   - \( \frac{3}{4} " \) fiberglass faced ASTM C-1177 sheathing
   - Miami-Dade County Listed EPS, 1.0 pcf, Minimum 1 inch Thick
   - Sto Primer/Adhesive-B
   - Sto Gold Coat®
   - Sto Armor Mat XX Embedded in Sto Primer/Adhesive-B
   - Sto Back Wrap
   - Sto Guard® Transition Membrane Embedded in Sto Guard® Air and Moisture Barrier
   - Backer Rod and Sealant with Weeps
   - Sto Finish

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

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

Plan

- Batt Insulation
- \( \frac{5}{8}'' \) fiberglass faced ASTM C-1177 sheathing (See Note 2)
- 6", 16 ga. Steel Studs at 16-inches on center.

Notes:

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-LM-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-LM-150
Gravel Stop

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Notes:

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

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StoTherm® ci - 1177-LM-150
Scupper Penetration

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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