



- 1 5-1/2"x18 GA.#550S162-52, 33KSI, G90 GALVANIZED STUD @ 16" O.C.
- 2 5-1/2"x18 GA.#550T162-52, 33KSI, G90 GALVANIZED TRACK, TOP & BOTTOM
- 3 5" THICK EXPANDED POLYSTYRENE (EPS) FOAM, TYPE II (1.50 lb/ft<sup>3</sup> MIN. DENSITY) BY INSULFOAM NOA #FL 2256
- 4 (2)1-1/2"x 18 GA. CROSS STRAPS ATTACHED @ CORNERS OF END STUDS W/(2) 10-18x3/4", (1) 10-18x3/4" @ REMAINING STUDS.
- 5 GRABBER SCREW-SIZE:10-18x3/4"L, P/N:FP101875LYZ, YELLOW ZINC LOX DRIVE PAN HEAD SCREW (2) AT FRONT AND (2) AT BACK SIDE OF WALL
- 6 DRYVIT-PRIMUS 100% POLYMER 1st BASE COAT, MIN. THK.=MESH FULLY EMBEDDED (3/32"MIN.)
- 7 DRYVIT-PANZER 20\* 570g, (20-oz./SQ.YD.) GLASS FIBER MESH IMBEDDED IN 1st BASE COAT.
- 8 DRYVIT-PRIMUS 100% POLYMER 2nd BASE COAT, MIN. THK.=MESH FULLY EMBEDDED (3/32"MIN.)
- 9 DRYVIT-STANDARD 120g, (4.3-oz./SQ.YD.) GLASS FIBER MESH IMBEDDED IN 2nd BASE COAT.
- 10 DRYVIT-DPR AGGREGATE TEXTURED 100% ACRYLIC-BASED FINISH. (3/32" MIN. THK.)

DESCRIPTION

1.1 SUBSTRATES APPROVED WITH THE SYSTEM:

- 1.1.1 STUDS:  
5-1/2" X 1-5/8" X 18 GA. STEEL STUDS  
(33 KSI G90 Galvanized) @ 16" O.C..  
- MANUFACTURED IN ACCORDANCE TO AISI STANDARDS.
- 1.1.2 TRACK:  
5-1/2" X 1-1/4" X 18 GA. STEEL TRACK  
(33 KSI G90 GALVANIZED) TOP AND BOTTOM.  
- MANUFACTURED IN ACCORDANCE TO AISI STANDARDS.
- 1.1.3 CROSS-BRACE STRAPS:  
1-1/2" X 18 GA. STEEL STRAPS
- 1.1.4 FASTENERS:  
GRABBER LOX DRIVE 10-18 x 3/4"  
PAN HEAD SCREWS (2 PER CONNECTION).
- 1.1.5 EPS FOAM: BY INSULFOAM NOA #FL 2256  
MINIMUM 5" THICK AND TYPE II (1.50 PCF) DENSITY  
PER ASTM TESTS C303 OR D1622.  
(INCLUDES 1-1/2" THERMAL BREAK AT EXTERIOR).
- 1.1.6 BASECOAT:  
(DRYVIT) PRIMUS 100% POLYMER BASED ADHESIVE MIXED  
1:1 WITH PORTLAND CEMENT.
- 1.1.7 GLASS FIBER MESH:  
STANDARD (4.3 OZ.) AND PANZER 20 (20 OZ.)
- 1.1.8 FINISH COAT:  
(DRYVIT) PRE-MIXED, AGGREGATE TEXTURED, 100%  
ACRYLIC-BASED COATING.

1.2 PANELIZATION:

- 1.2.1 STEEL STUDS ARE ENGULFED IN 3-1/2" OF THE EPS  
FOAM LEAVING A 1-1/2" THERMAL BREAK ON THE  
EXTERIOR AND 2" MAINTENANCE ACCESS BETWEEN  
THE FOAM AND TRACK FLANGE ON THE INTERIOR.
- 1.2.2 STUDS AND TRACK ARE FASTENED AT TOP AND  
BOTTOM LOCATIONS WITH GRABBER LOX SCREWS.
- 1.2.3 CROSS STRAPS ARE ATTACHED DIAGONALLY AT 8 FT. FROM  
CORNER TO CORNER AND FASTENED WITH GRABBER LOX  
SCREWS TO EVERY STUD.

1.3 PREPARATION

- 1.3.1 SURFACE PREPARATION:  
EPS THERMAL BREAK IS TO BE SANDED FLAT TO WITHIN  
1/4" IN ANY 4' RADIUS AND THEN CLEANED FREE OF  
DEBRIS.
- 1.3.2 MIXING:  
A) THE PRIMUS IS TO BE MIXED THOROUGHLY WITH  
TYPE I OR TYPE II PORTLAND CEMENT AT A 1:1  
RATIO.  
B) ALLOW TO SET FOR 5 MINUTES AND ADD WATER AS  
NEEDED FOR DESIRED WORKABILITY.
- 1.3.2.1 WORKING TIME IS APPROXIMATELY 1 HOUR  
DEPENDING ON AMBIENT CONDITIONS.

GENERAL NOTES

- 1) THIS SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION AND IT'S LATEST SUPPLEMENT.
- 2) THIS SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH THE DADE COUNTY PROTOCOL TAS201, TAS202 AND TAS203 IMPACT STRUCTURAL AND CYCLIC TESTING.
- 3) THIS SYSTEM SHALL BE APPLIED BY A LICENSED PLASTERING CONTRACTOR FOLLOWING THE RECOMMENDATIONS OF SUSTAINABLE STEEL SYSTEMS, LLC, THIS NOTICE OF ACCEPTANCE AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.
- 4) THE ENGINEER AND/OR ARCHITECT OF RECORD FOR EACH PROJECT USING THIS SYSTEM SHALL SIZE ALL STUD FRAMING TO ENSURE CONFORMANCE WITH STUD DEFLECTION AND STRESS LIMITATIONS AS REQUIRED BY GOVERNING CODES AND THIS DOCUMENT.
- 5) ALL STEEL STUDS SHALL BE STRUCTURAL, 5-1/2" MIN. WEB WIDTH x 1-5/8" MIN. FLANGE WIDTH AND HAVE A MINIMUM YIELD STRENGTH OF 33,000 PSI (33KSI).
- 6) THIS STUCCO SYSTEM SHALL NOT BE CONSIDERED TO OR BE USED FOR TRANSFER OF DIAPHRAM ACTION OF WALL TO STRUCTURE.
- 7) DETAILS ON SHEETS 3 THROUGH 6 ARE TYPICAL AND SHOW INTENT TO PREVENT WATER INFILTRATION INTO AND BEHIND THIS SYSTEM. ALTERNATE DETAILING AND SPECIFIC CONDITIONS NOT COVERED BY THE TYPICAL DETAILS ARE THE RESPONSIBILITY OF THE LICENSED DESIGN PROFESSIONAL IN CONSULTATION WITH SUSTAINABLE STEEL SYSTEMS, LLC.
- 8) THIS APPROVAL DOES NOT INCLUDE HORIZONTAL USE OF THIS SYSTEM. IT ONLY INCLUDES WALL APPLICATION.

1.4 APPLICATION

- 1.4.1 FIRST BASE COAT:  
USE A TROWEL TO SPREAD A RIBBON OF PRIMUS  
MIXTURE 2-3 INCHES WIDE BY 3/8" THICK AROUND  
THE PERIMETER AND 4" X 3/8" DABS EVERY 8  
INCHES ON CENTER TO THE INTERIOR AREA.
- 1.4.2 STANDARD 4.3 OZ. MESH:  
EMBED THE MESH IN THE WET BASE COAT TROWELING  
FROM THE CENTER TO THE EDGES TO WORK OUT ALL  
WRINKLES.  
THE MESH IS TO BE CONTINUOUS OR OVERLAPPED AT  
THE CORNERS IN ACCORDANCE WITH THE FINISH  
MANUFACTURER'S SPECIFICATIONS.  
(A) THE OVERALL MINIMUM BASE COAT THICKNESS IS  
TO BE SUFFICIENT TO FULLY EMBED THE MESH.  
(B) APPROXIMATE DRYING TIME IS 24 HOURS  
DEPENDING ON AMBIENT CONDITIONS.  
(C) ALLOW FIRST BASE COAT TO DRY COMPLETELY  
BEFORE APPLYING SECOND BASE COAT.
- 1.4.3 SECOND (FINAL) BASE COAT:  
APPLY THE PRIMUS MIXTURE TO THE ENTIRE SURFACE  
AT A UNIFORM THICKNESS NOT TO EXCEED 1/8".
- 1.4.4 PANZER 20 OZ. MESH:  
IMMEDIATELY EMBED THE PANZER MESH INTO THE  
SECOND BASE COAT AND TROWEL FROM THE  
CENTER TO THE EDGES UNTIL THE MESH IS FULLY  
COVERED AND NOT VISIBLE.  
THE MESH IS TO BE BUTTED INTO AND NOT  
OVERLAPPED AT ADJACENT EDGES IN ACCORDANCE WITH  
THE FINISH MANUFACTURER'S SPECIFICATIONS.  
(A) APPROXIMATE DRYING TIME IS 24 HOURS  
DEPENDING ON AMBIENT CONDITIONS.  
(1) EXAMINE FOR PROJECTIONS AND CORRECT AS  
NECESSARY TO PRODUCE A FLAT SURFACE.
- 1.4.5 FINISH COAT:  
THOROUGHLY MIX DRYVIT FINISH UNTIL A WORKABLE  
CONSISTENCY IS ATTAINED.  
APPLY WITH A STAINLESS STEEL TROWEL TO A UNIFORM  
THICKNESS SLIGHTLY LARGER THAN THE LARGEST  
AGGREGATE OF THE MATERIAL.

PULL THE FINISH MATERIAL TO CREATE THE DESIRED DESIGN.

RELEASE/REVISION

REV	DATE	NAME	DESCRIPTION
3	08-10-06	WRB	ADDED DETAILS
4	02-13-12	DAG	CHANGE COMPANY NAME
5	02-27-12	DAG	REVISED PER FBC OFFICE

INSULATED STEEL WALL PANEL  
INTERIOR VIEW

SUSTAINABLE  
STEEL  
SYSTEMS, LLC

TOLERANCES UNLESS NOTED OTHERWISE

FRACTION --- ±1/16"  
.XX ----- ±.03  
.XXX ----- ±.005  
.XXXX ----- ±.0010  
ANGULAR --- ± 1'

DATE 03-13-06	DRAWN BY WRB	CHECKED BY WRB
PROJECT SPEC'S		
MATERIAL SEE ABOVE		PART/DWG NO. W-001-3
DRAWING EIFS EXTERIOR COATING		SHEET 2 OF 6