

BlackStar Fibrous Cement 4" Wall SIP Panels

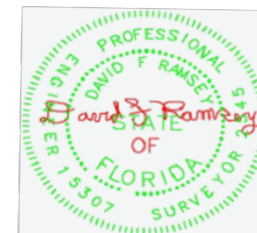


Owner
BackStar IP, LLC
10017 Kingshyre Way
Tampa, FL 33647

ENGINEERING BY
DAVID F. RAMSEY
R & S Engineering and Construction Corporation
CALB 26032
434 Skinner Boulevard, Suite 105
Dunedin, FL 34698
727 409-4639
EMAIL: david@ramseyengineering.com

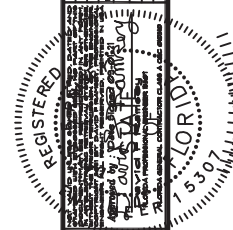
Index of Sheets

1. Cover Sheet
2. Panel Racking and Anchoring
3. Panel Axial and Anchoring
4. Panel Transverse
5. Panel Impact



This drawing has been digitally signed by David F. Ramsey, Florida Professional Engineer 15307 on the date adjacent to the seal. Printed copies of this drawing are not considered signed and sealed and the signature must be verified on any electronic copy. This set of plans is digitally signed and sealed in accordance with FAC 61G15-23-002(2)

David F Ramsey
Digitally signed by David F Ramsey
Date: 2023.11.28
13:48:27 -05'00'

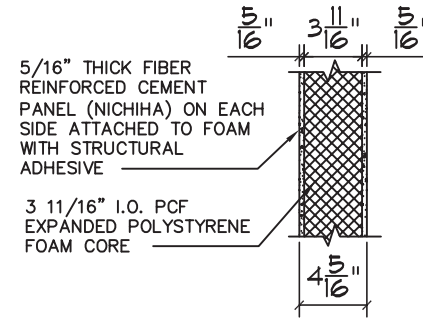
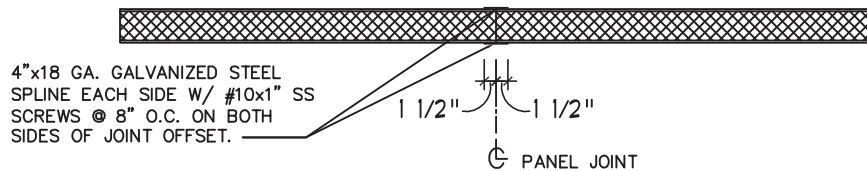
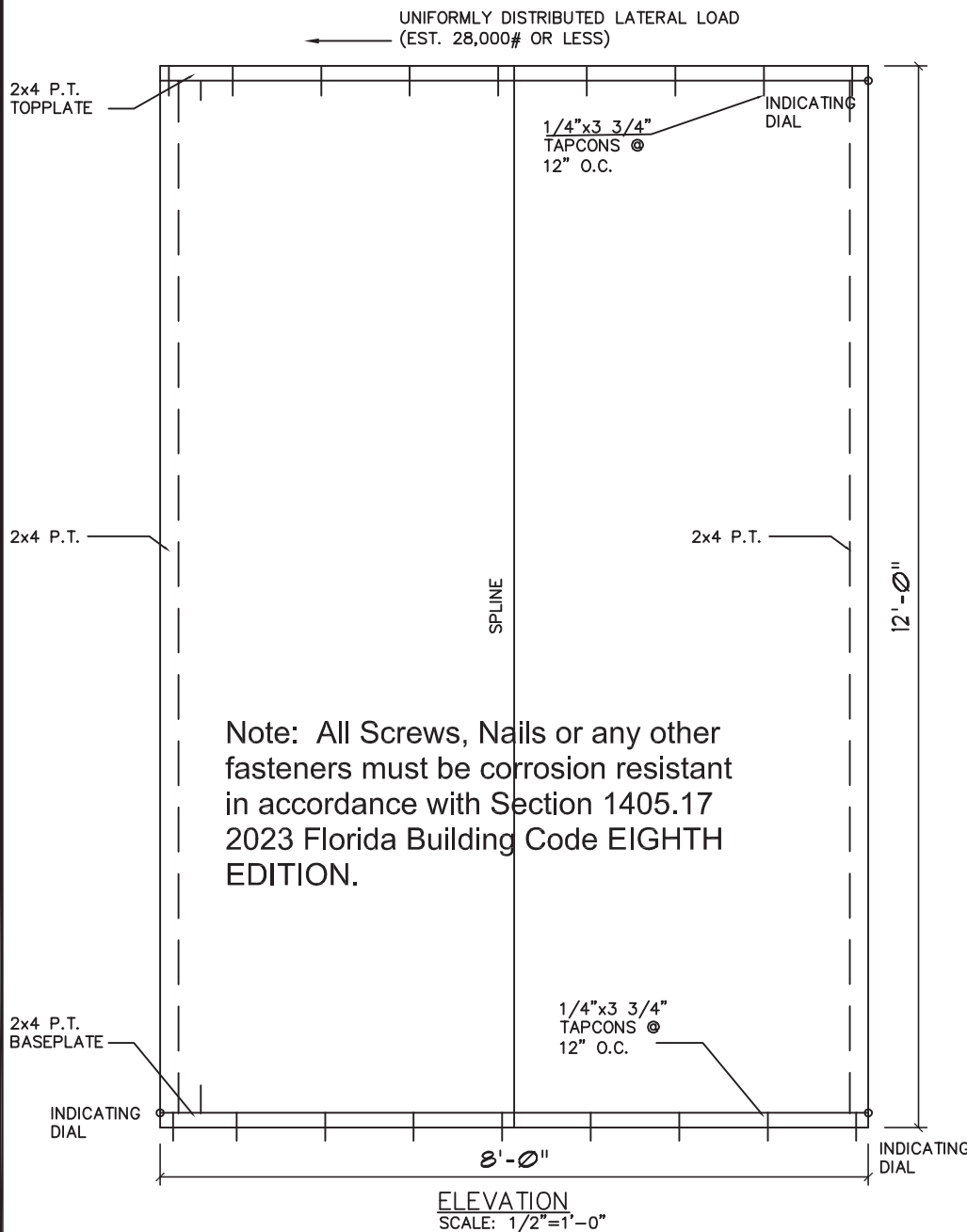


BlackStar Structurally Insulated Panels

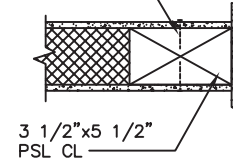
DAVID F. RAMSEY
R & S Engineering and Construction Corporation
CALB 26032
434 Skinner Boulevard, Suite 105
Dunedin, FL 34698
727 409-4639
EMAIL: david@ramseyengineering.com

Cover Sheet

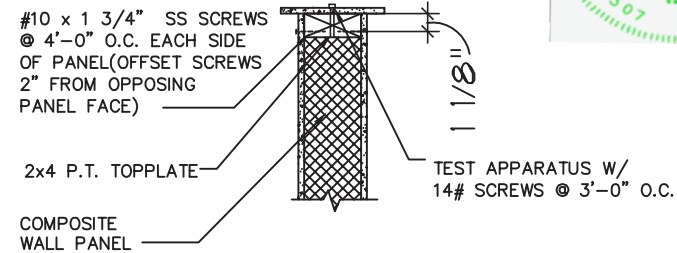
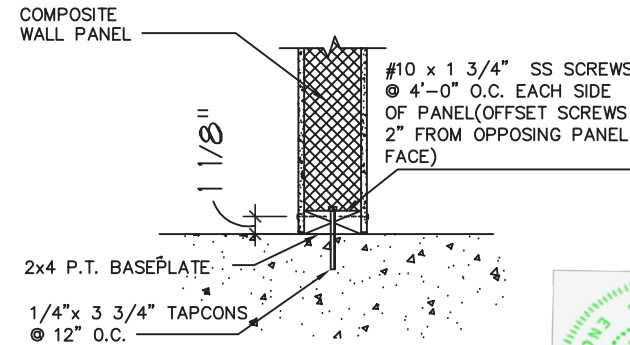
Sheet No.
1 of 4
JN 4-1023



#10 x 1 3/4" SS SCREWS @ 4'-0" O.C. EACH SIDE OF PANEL(OFFSET SCREWS 2" FROM OPPOSING PANEL FACE)



EDGE SECTION
SCALE: 1"=1'-0"



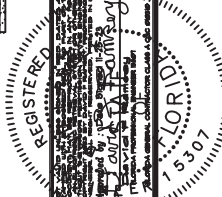
TEST

TESTING STANDARD: ASTM E1803-99 - SECTION 8 RACKING LOADS FOR WALL SYSTEMS - REFERENCING E72-05, SECTION 14 RACKING LOAD TEST
INITIAL LOAD: 0 PSF
INCREMENTAL LOAD: 1000 LBS
TEST UNTIL SHEAR FAILURE OR PANEL CONNECTIONS OCCUR FOR (3) SPECIMENS

TEST SPECIMEN: (2) 4x12x4 5/16" PANELS, AS SHOWN ABOVE
MANUFACTURER: BlackStar IP, LLC, TAMPA, FL

This drawing has been digitally signed by David F. Ramsey, Florida Professional Engineer 15307 on the date adjacent to the seal. Printed copies of this drawing are not considered signed and sealed and the signature must be verified on any electronic copy. This set of plans is digitally signed and sealed in accordance with FAC 61G15-23-002(2)

David F. Ramsey
Digitally signed by David F. Ramsey
Date: 2023.11.28 13:48:53 -05'00'



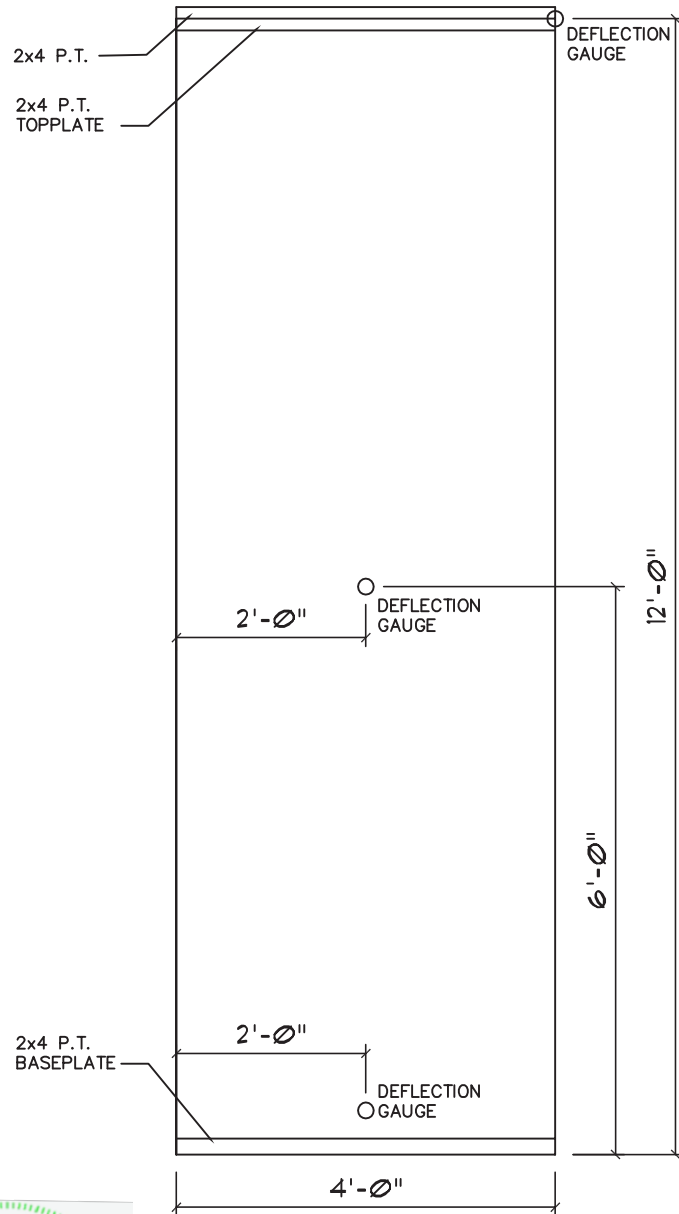
BlackStar Structurally Insulated Panels

Panel Racking & Anchoring

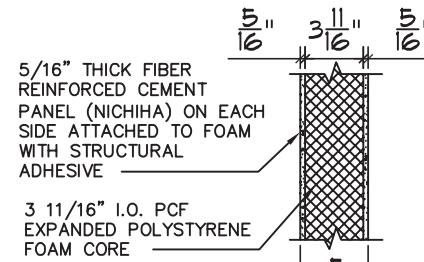
For: BlackStar IP, LLC
10077 Kingsley Way
Tampa, FL 33637

2 of 5
JN 4-1023

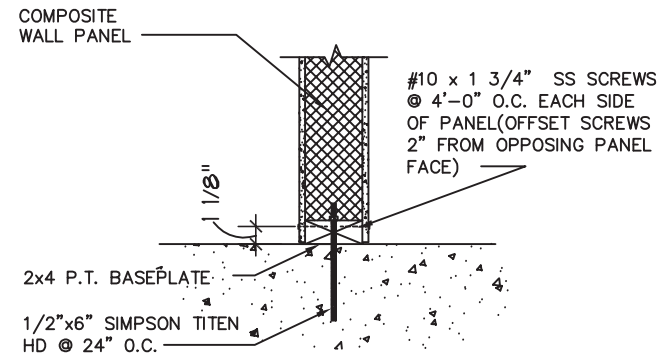
UNIFORM TENSILE LOAD MEASURED
IN LBS/FT (EST. TOTAL LOAD
25,000 LBS. OR LESS)



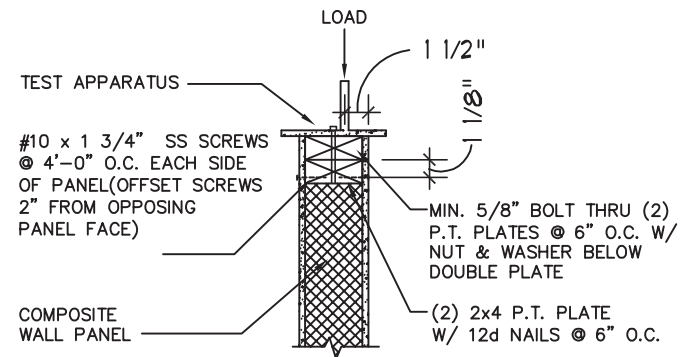
ELEVATION
SCALE: 1/2"=1'-0"



SCALE: 1"=1'-0"



BASEPLATE SECTION ANCHORING
SCALE: 1"=1'-0"



TOPPLATE SECTION ANCHORING
SCALE: 1"=1'-0"

TEST

TESTING STANDARD:

E72-05 - SECTION 10 TENSILE LOAD TEST
INITIAL LOAD: 0 PSF
INCREMENTAL LOAD: 75 LBS/FT
TEST UNTIL FAILURE OCCURS OR UNTIL TOP PLATE IS DETACHED FROM PANEL FOR (3) SPECIMENS

TEST SPECIMEN:

(2) 4'x12'x4 1/8" PANELS, AS SHOWN ABOVE

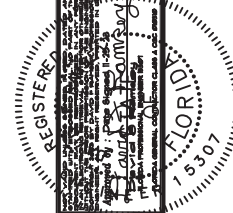
MANUFACTURER:

BlackStar IP, LLC, TAMPA, FL

This drawing has been digitally signed by David F Ramsey, Florida Professional Engineer 15307 on the date adjacent to the seal. Printed copies of this drawing are not considered signed and sealed and the signature must be verified on any electronic copy. This set of plans is digitally signed and sealed in accordance with FAC 61G15-23-002(2)

David F Ramsey

Digitally signed by David F Ramsey
Date: 2023.11.28
13:49:15 -05'00'



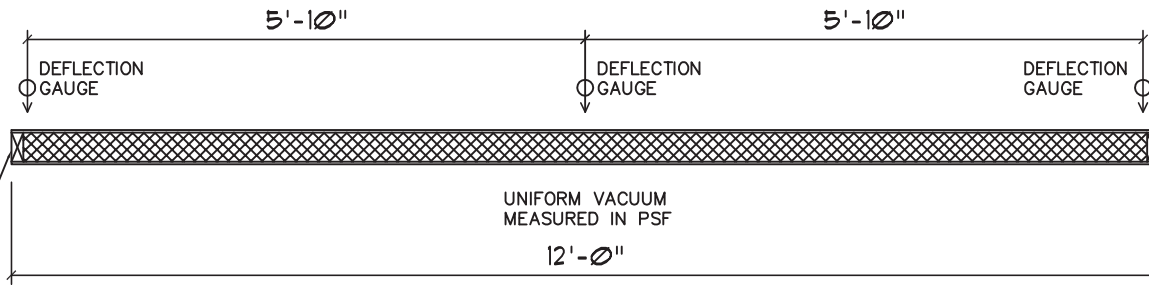
BlackStar Structurally Insulated Panels

Panel Axial and Anchoring

454 Skinner Boulevard
Dunedin, FL 34698
727-498-4989
email: info@blackstarip.com
www: blackstarip.com

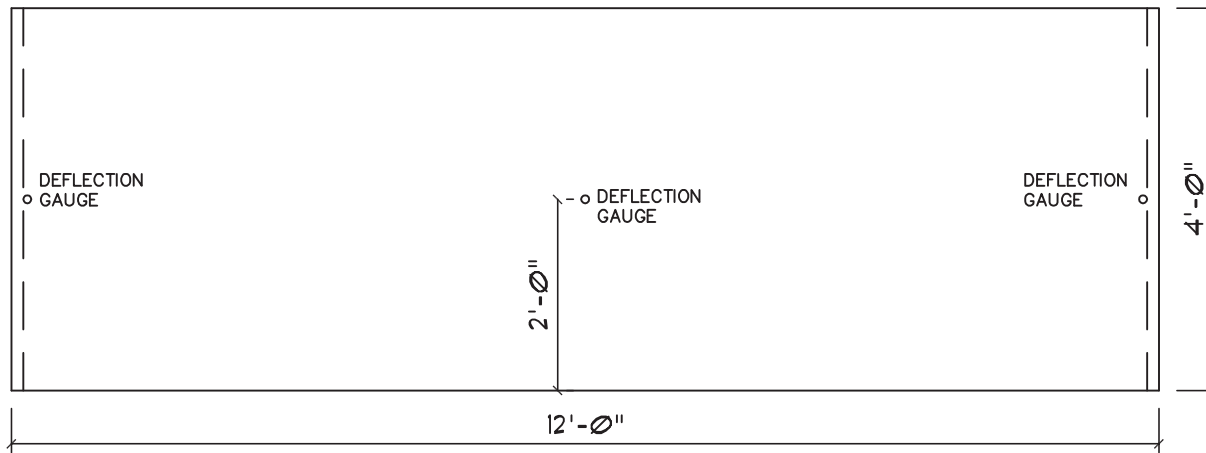
3 OF 5
JN 4-1023

2x4 P.T. ; CONNECT TO TEST APPARATUS TO WITHSTAND AN EXCESS OF 1000 LBS/FT CONNECT TO PANEL W/ #10 x 1 3/4" SCREWS @ 4'-0" O.C. EACH SIDE OF PANEL

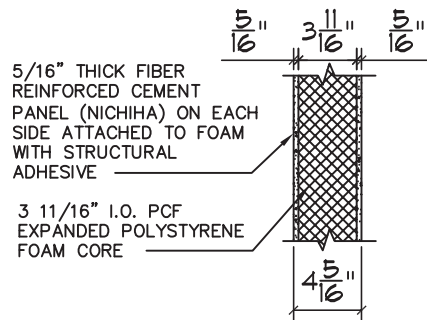


2x4 P.T. ; CONNECT TO TEST APPARATUS TO WITHSTAND AN EXCESS OF 1000 LBS/FT CONNECT TO PANEL W/ #10 x 1 3/4" SCREWS @ 4'-0" O.C. EACH SIDE OF PANEL

ELEVATION
SCALE: 1/2"=1'-0"



PLAN VIEW
SCALE: 1/2"=1'-0"



PANEL SECTION
SCALE: 1"=1'-0"

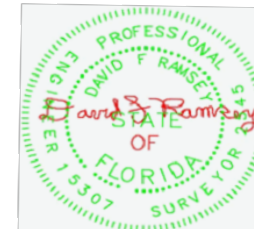
TEST

TESTING STANDARD: ASTM E1803-99 & TAS 202- TRANSVERSE LOADS FOR WALL, ROOF AND FLOOR PANELS - SECTION 6 - REFERENCING ASTM E72 - SECTION 11
INITIAL LOAD: 0 PSF
INCREMENTAL LOAD: 1000 LBS
TEST UNTIL SHEAR OR MOMENT FAILURE OF PANEL OCCURS FOR (3) SPECIMENS

TEST SPECIMEN: (2) 4'x12'x4 5/16" PANELS, AS SHOWN ABOVE

MANUFACTURER: BlackStar IP, LLC, TAMPA, FL

MAXIMUM EXPECTED LOAD 200PSF



This drawing has been digitally signed by David F Ramsey, Florida Professional Engineer 15307 on the date adjacent to the seal. Printed copies of this drawing are not considered signed and sealed and the signature must be verified on any electronic copy. This set of plans is digitally signed and sealed in accordance with FAC 61G15-23-002(2)

David F Ramsey
Digitally signed by David F Ramsey
Date: 2023.11.28 13:49:36 -05'00'

BlackStar Structurally Insulated Panels

Panel Transverse

434 Skinner Boulevard
Dunedin, FL 34698
Tel: 813.555.1111
Fax: 813.555.1112
Email: info@blackstarip.com
Web: www.blackstarip.com

