

BUTLER MANUFACTURING COMPANY
BUTLERIB II HVHZ WALL LITE*PANL
INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED AND IS DESIGNED TO COMPLY WITH THE FOLLOWING AT THE DESIGN PRESSURE(S) STATED HEREIN.
 - 1.1. CURRENT EDITION OF THE FLORIDA BUILDING CODE REQUIREMENTS FOR THE HIGH VELOCITY HURRICANE ZONE, LARGE MISSILE IMPACT.
 - 1.2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. B8760.02-450-1, DATED 5/2/13 AND ASSOCIATED LABORATORY STAMPED DRAWINGS BY ARCHITECTURAL TESTING INC. TO THE FOLLOWING.
 - 1.2.1. TAS 202-94, STRUCTURAL OVERLOAD TEST TO +/-195 PSF AND DESIGN LOAD TEST TO +/-130 PSF.
 - 1.2.2. TAS 202-94, WATER PENETRATION TEST OF 15% OF POSITIVE DESIGN LOAD.
 - 1.2.3. TAS 201-94, LARGE MISSILE IMPACT
 - 1.2.4. TAS 203-94, CYCLIC WIND PRESSURE LOADING AT +/-130 PSF.
2. ADEQUACY OF THE EXISTING STRUCTURAL MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. CONFORMANCE TO CHAPTER 26 OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - PLASTICS FIRE RESISTIVE TESTING AND OUTDOOR EXPOSURE HAVE BEEN DETERMINED BY TESTING AS FOLLOWS.

- ### 3.1. 200 IFW 8.0 INTERIOR FIBERGLASS REINFORCED PANEL

- 3.1.1.1. ATI REPORT NO. B8609.02-106-18, DATED 11/07/12 DOCUMENTED RESULT OF 752°F.

- 3.1.2.1. ATI REPORT NO. B8609.03-121-24, DATED 11/09/12 DOCUMENTED RESULT OF 400.

- 3.1.3.1. ATI REPORT NO. B8609.02-106-18, DATED 11/07/12 DOCUMENTED RESULT OF CC1.

- 3.1.4. ASTM D638/G155 OUTDOOR EXPOSURE - TENSILE STRENGTH CHANGE +/-10% MAXIMUM.
3.1.4.1. ATI REPORT NO. B8609.01-106-18, DATED 12/19/12 DOCUMENTED RESULT OF +0.2%.

- ### 3.2. 200 STW 8.0 EXTERIOR FIBERGLASS REINFORCED PANEL

- 3.2.1.1. ATI REPORT NO. B8609.05-106-18, DATED 11/07/12 DOCUMENTED RESULT OF 842°F.

- 3.2.2.1. ATI REPORT NO. B8609.04-121-18, DATED 11/09/12 DOCUMENTED RESULT OF 300.

- 3.2.3.1. ATI REPORT NO. B8609.05-106-18, DATED 11/07/12 DOCUMENTED RESULT OF CC2.

- 3.2.4. ASTM D638/G155 OUTDOOR EXPOSURE - TENSILE STRENGTH CHANGE +/-10% MAXIMUM.
3.2.4.1. ATI REPORT NO. B8609.01-106-18, DATED 12/19/12 DOCUMENTED RESULT OF -1.1%.

INSTALLATION NOTES:

1. SEE ANCHOR SCHEDULE ON SHEET 4 FOR REQUIRED FASTENERS AND APPLICABLE FASTENER SPACING.
2. INSTALLATION ANCHORS SHALL BE INSTALLED AS SHOWN IN SECTIONS B-B AND C-C ON SHEET 4 USING THE PANEL WALL ELEVATION ON SHEET 3 AS GUIDANCE.
3. INSTALLATION ANCHOR COMPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - 3.1. GIRT OR OTHER SECONDARY SUPPORT MEMBER BY OTHERS.
 - 3.1.1. MIN. 16 GAUGE, GRADE 50 (FTY = 50 KSI) MATERIAL.

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PRODUCT RATING	
DESIGN PRESSURE RATING	IMPACT RATING
+/- 130 PSF	LARGE AND SMALL MISSILE IMPACT
Note: THIS SYSTEM WAS TESTED FOR WATER INFILTRATION IN ACCORDANCE WITH TAS 202.	

PROJECT NO. 417-0910				
B	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	RJA	
A	UPDATE TO THE 5th EDITION (2014) FBC	6/30/15	RJA	
REV	DESCRIPTION	DATE	BY	

BUTLER MANUFACTURING COMPANY

1540 Genessee St.
Kansas City, MO 64102

BUTLERB II HVHZ WALL LITE*PANL GENERAL & INSTALLATION NOTES

DATE:

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A

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SHEET

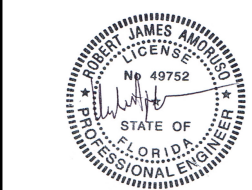
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Robert J. Amoruso
Florida P.E. No. 49752

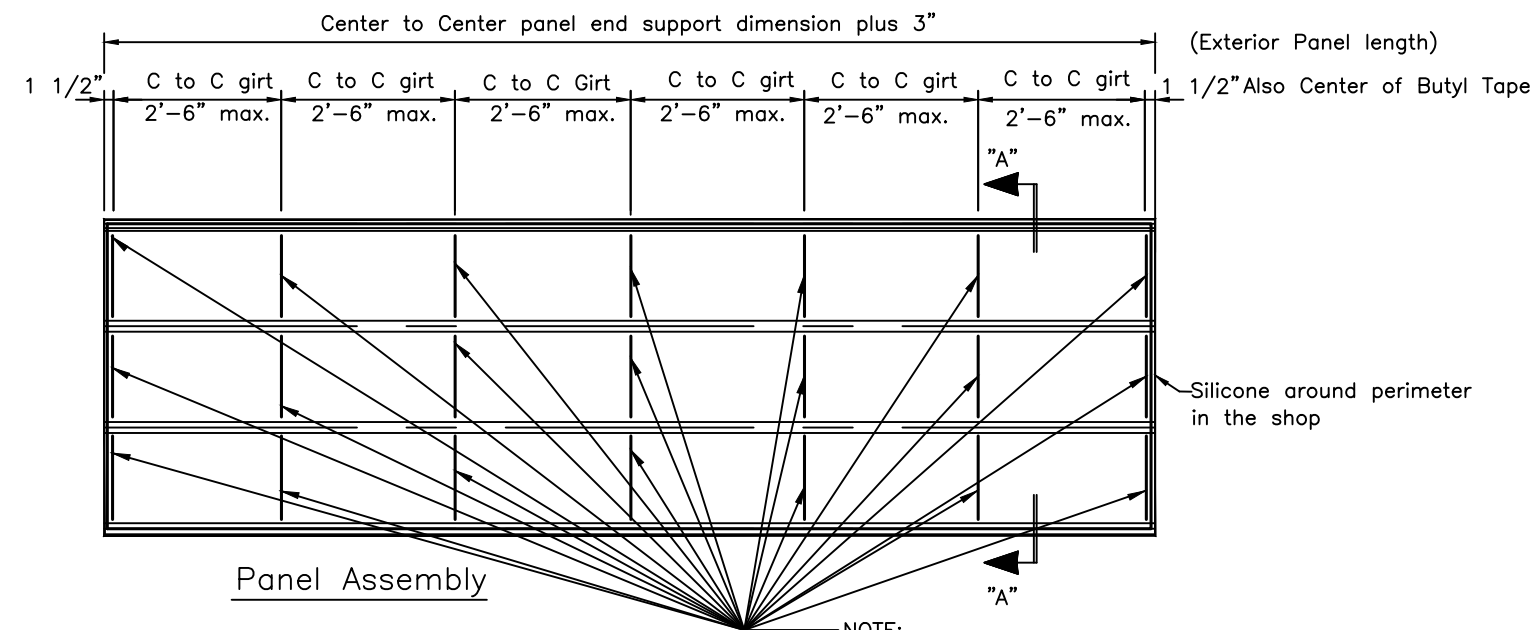


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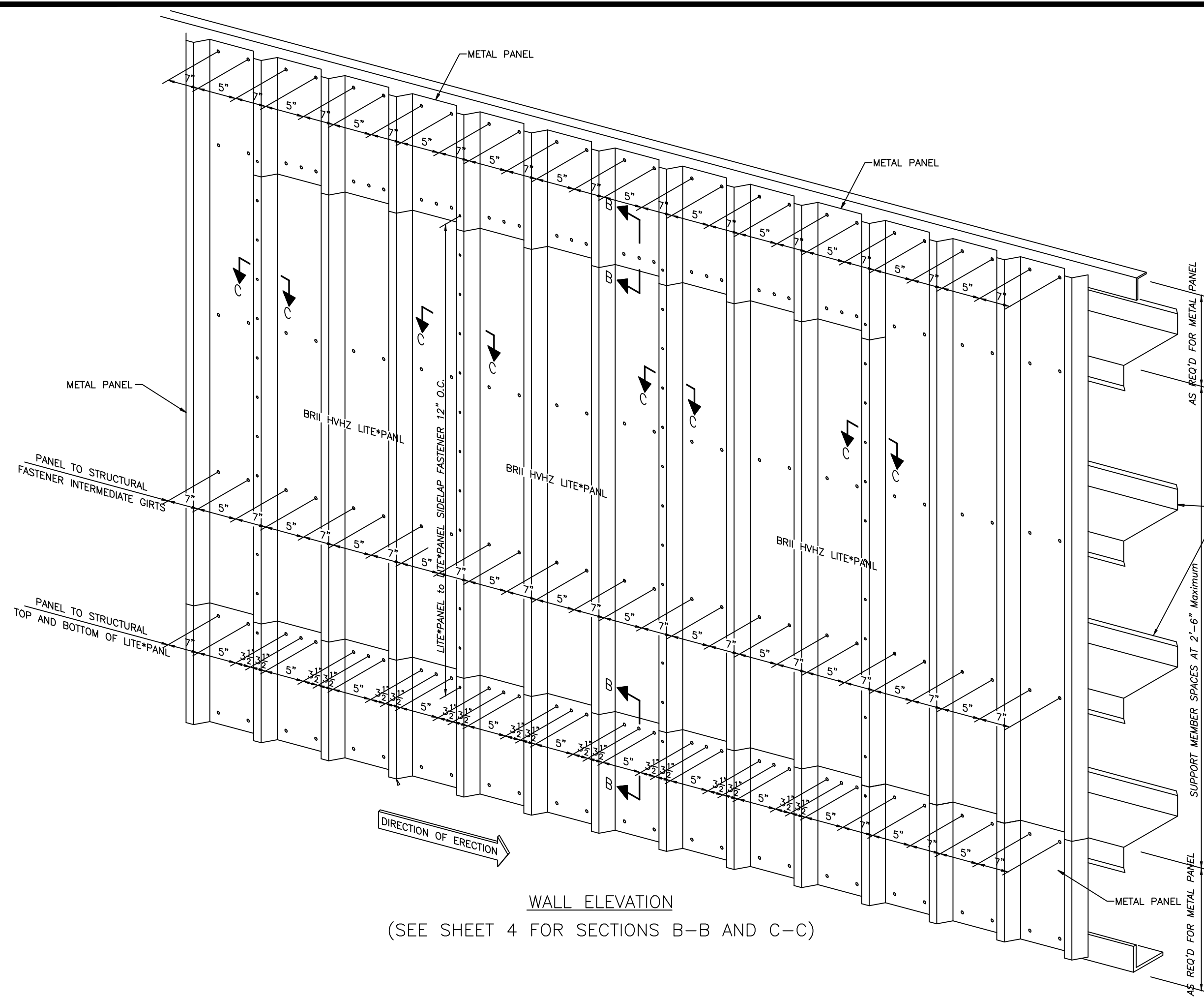
Butler Manufacturing
a division of BlueScope Buildings North America, Inc.
1540 GENESSEE ST.
KANSAS CITY, MO. 64102



▲ CRITICAL DIMENSIONS TO BE HELD TO TOLERANCES SHOWN. TOLERANCES SHOWN MAY NOT BE ACCUMULATIVE.

The IsoTuff High Strength Class A Fire Rated (IFW) Fiberglass Reinforced Plastic (FRP) panels (Fired rated per ASTM E-84) use an Isophthalic Neopentyl Glycol (NPG) resin system with improved chemical and corrosion resistance. This resin is combined with woven roving and random chopped fiberglass to achieve high strength.

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GIRT OR OTHER
SECONDARY SUPPORT
MEMBER BY OTHERS.
MIN. 16 GAUGE, GRADE
50 (FTY = 50 KSI)
MATERIAL.

DIRECTION OF ERECTION

WALL ELEVATION
(SEE SHEET 4 FOR SECTIONS B-B AND C-C)

PROJECT NO. 417-0910

		RJA	RJA	BY
	UPDATE TO THE 6th EDITION (2017) FBC	12/11/17	6/30/15	DATE
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BUTLER B II HVHZ WALL LITE*PANL
LITE*PANL INSTALLATION - WALL ELEVATION

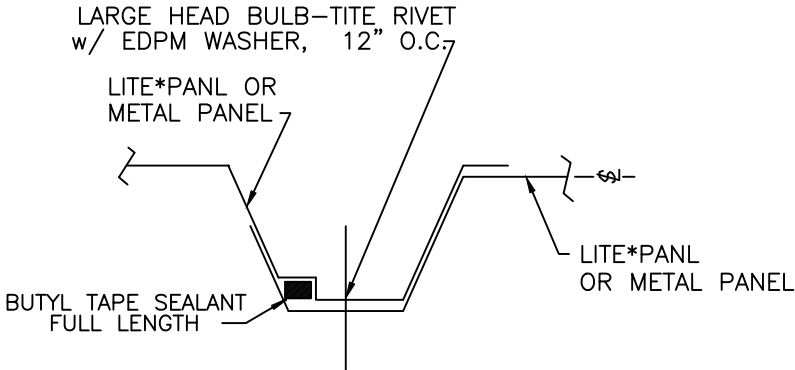
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DATE: 05/15/13
DRAWN BY: RJA
SCALE: N.T.S.
SHEET: 3 OF 4
REV: B

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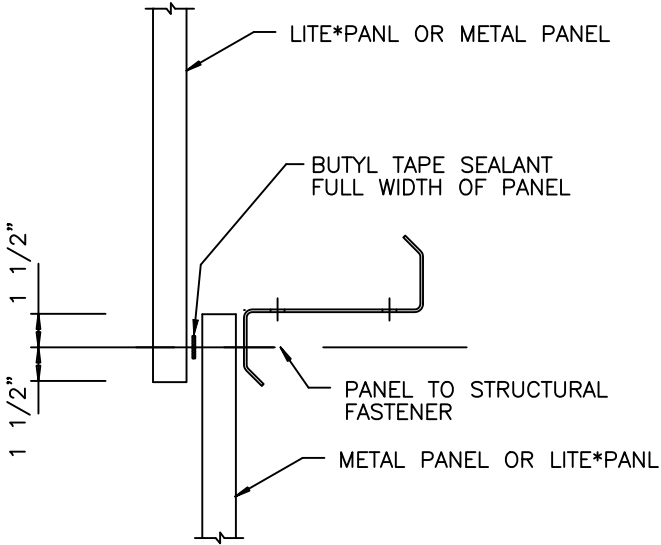
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SECTION C-C
SIDELAP FASTENER
LITE*PANL TO LITE*PANL
OR
LITE*PANL TO METAL PANEL



SECTION B-B
PANEL LAP CONDITION

SECTION C-C / PANEL SIDELAP ATTACHMENT INSTALLATION DETAILS		
FASTENER LOCATION	FASTENER REQUIREMENT	FASTENER SPACING
LITE*PANL TO LITE*PANL	9/32" X 1-3/32" ALUMINUM, BULB-TITE RIVET WITH A 5/8" DIAMETER HEAD AND 1/16" THICK EDPM WASHER	FASTENERS ARE SPACED 1" FROM EACH END AND 12" ON CENTER THEREAFTER. A CONTINUOUS 3/16" X 1/4" STRIP OF BUTYL TAPE SHALL BE APPLIED BETWEEN THE PANELS.
LITE*PANL TO METAL PANEL		
METAL PANEL TO METAL PANEL	1/4-14 X 7/8" GALVANIZED STEEL SELF-DRILLING SCREW WITH A 1" DIAMETER HEAD AND RUBBER WASHER	

SECTION B-B / PANEL ATTACHMENT INSTALLATION DETAILS		
FASTENER LOCATION	FASTENER SPACING	FASTENER REQUIREMENT
METAL PANEL - INTERMEDIATE	TWO FASTENERS ARE USED BETWEEN EACH RIB, SPACED 7" APART AND 2-1/2" FROM THE CENTERLINE OF EACH RIB	1/4-14 X 1-1/2" GALVANIZED STEEL SELF-DRILLING SCREW WITH A 1" DIAMETER HEAD AND RUBBER WASHER
LITE*PANL- INTERMEDIATE	TWO FASTENERS ARE USED BETWEEN EACH RIB, SPACED 7" APART AND 2-1/2" FROM THE CENTERLINE OF EACH RIB	
LITE*PANL TO METAL PANEL END CONNECTIONS	THREE FASTENERS ARE USED BETWEEN EACH RIB, SPACED 3-1/2" APART AND 2-1/2" FROM THE CENTERLINE OF EACH RIB	
METAL PANEL - ENDS	TWO FASTENERS ARE USED BETWEEN EACH RIB, SPACED 7" APART AND 2-1/2" FROM THE CENTERLINE OF EACH RIB	

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Kansas City, MO 64102

TITLE:

BUTLERB II HVHZ WALL LITE*PANL
LITE*PANL INSTALLATION - SECTIONS

DRAWN BY:

RJA

DATE:

05/15/13

SCALE:

N.T.S.

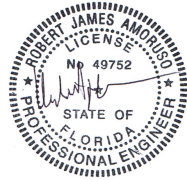
REV:

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PREPARED BY:


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