



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Innova Eco Building System, LLC
3300 NW 110 Street
Miami, FL 33167

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Innova Panel HIP – 6” MgO High Impact Wall Panel

APPROVAL DOCUMENT: Drawing No. 414-0116, titled “ Innova Panel HIP – 6” MgO High Impact Wall Panel ”, sheets 1 through 5 of 5, prepared by PTC, dated November 12, 2014, last revision #B dated April 30, 2015, signed and sealed by Robert James Amoruso, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
05/21/2015

NOA No. 14-1202.06
Expiration Date: 05/21/2020
Approval Date: 05/21/2015
Page 1

Innova Eco Building System, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 414-0116, titled "Innova Panel HIP – 6" MgO High Impact Wall Panel ", sheets 1 through 5 of 5, prepared by PTC, dated November 12, 2014, last revision #B dated April 30, 2015, signed and sealed by Robert James Amoruso, P.E.*

B. TEST

1. *Test report on Uniform Static Air Pressure test per TAS 202 on Wall Panels prepared by Fenestration Testing Laboratory, Inc., report No. 7848, dated October 14, 2014, signed and sealed by Idalmis Ortega, P.E. No Air or Water Infiltration tests performed, this wall panel system is not approved for air nor water infiltration.*
2. *Test report on Large Missile Impact test and Cyclic Wind Pressure test per TAS 201 and TAS 203 on Wall Panels prepared by Fenestration Testing Laboratory, Inc., report No. 7848, dated October 14, 2014, signed and sealed by Idalmis Ortega, P.E.*
3. *Test report on Compression test only per ASTM E 72, on Wall Panels prepared by Fenestration Testing Laboratory, Inc., report No. 7870, dated November 06, 2014, signed and sealed by Idalmis Ortega, P.E.*

C. CALCULATIONS

1. *Panel allowable calculation and Fasteners verification prepared by Robert James Amoruso, P.E., 18 pages, dated November 10, 2014, signed and sealed by Robert James Amoruso, P.E.*

D. QUALITY ASSURANCE

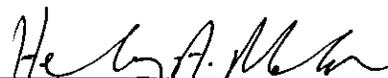
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2014 Edition, compliance letter issued by PTC, dated November 18, 2014, signed and sealed by Robert James Amoruso, P.E.*



Henry A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 14-1202.06
Expiration Date: 05/21/2020
Approval Date: 05/21/2015

INNOVA ECO BUILDING SYSTEM, LLC

INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL

INSTALLATION DETAILS

INSTALLATION NOTES:

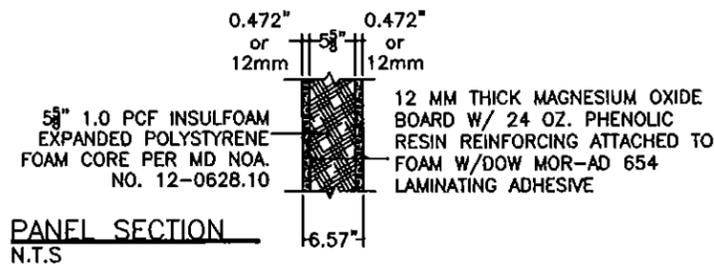
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN HAS BEEN TESTED TO THE FOLLOWING PERFORMANCE TESTING STANDARDS IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE LATEST EDITION OF THE FLORIDA BUILDING CODE.
 - 1.1. TAS 201-94
 - 1.2. TAS 202-94, STATIC LOADING ONLY
 - 1.3. TAS 203-94
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED FENESTRATION TESTING LABORATORY TEST REPORT NO. LAB 7870/PROJECT NO. 14-5330, LAB NO. 7848/PROJECT NO. 14-5330 AND ASSOCIATED LABORATORY DRAWINGS TO TAS 201-94, TAS 202-94 AND TAS 203-94.
3. ADEQUACY OF THE EXISTING STRUCTURAL FRAMING SYSTEM AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT TRANSVERSE LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. THE DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED FOR USE WITH THIS DOCUMENT AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.
5. SEE SIP PANEL SCHEDULE TABLE AND PANEL SECTION ON THIS SHEET FOR APPROVED PANEL COMPOSITION.
6. SEE PERFORMANCE RATINGS TABLE ON THIS SHEET FOR DESIGN PRESSURE LIMITATIONS BASED ON THE FOLLOWING PARAMETERS.
 - 6.1. DP LIMITATION BASED ON DEFLECTION AT L/180.
 - 6.1.1. DEFLECTIONS NOT EXCEEDING L/180 ALLOWS FOR FLEXIBLE FINISHES TO BE USED IN ACCORDANCE WITH DEFLECTION LIMITATIONS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
 - 6.2. DP LIMITATION BASED ON ULTIMATE DESIGN LOADING ACHIEVED IN TESTING TO TAS 202 DIVIDED BY A SAFETY FACTOR OF 1.5.
 - 6.3. DP LIMITATION BASED ON IMPACT/CYCLIC LOADING TESTING TO TAS 201/203.
 - 6.4. COMPRESSION LOAD LIMITATION BASED ON AVERAGE OF THREE TEST SPECIMENS DIVIDED BY ALLOWABLE STRESS DESIGN SAFETY FACTOR.
7. MAXIMUM PANEL SIZE
 - 7.1. INDIVIDUAL AND OVERALL PANEL HEIGHT IS LIMITED TO 10' (120").
 - 7.2. INDIVIDUAL PANEL WIDTH IS LIMITED TO 4' (48").
 - 7.3. OVERALL PANEL WIDTH CAN BE CONNECTED USING SPLINE CONNECTION IN SECTION C-C SHOWN ON SHEET 3 OR PANEL-TO-PANEL CONNECTION SHOWN IN DETAIL C ON SHEET 4..
 - 7.4. OPENINGS ARE LIMITED TO 3' X 6'-3 1/2" MAXIMUM.

1. THE PRODUCT SHOWN SHALL BE INSTALLED IN A MANNER CONSISTANT WITH ITS TESTING AS DESCRIBED IN GENERAL NOTE 7 AND AS FOLLOWS.
2. SPLINE CONNECTIONS SHALL BE AS SHOWN IN SECTION C-C ON SHEET 2.
3. SIP END PLATES, BOTH HORIZONTAL AND VERTICAL, SHALL BE AS SHOWN IN DETAIL A ON SHEET 3.
4. SIP OPENING FACE PLATES, VERTICAL ONLY, SHALL BE AS SHOWN IN DETAIL B ON SHEET 3.
5. PANEL-TO-PANEL HEADER CONNECTIONS SHALL BE AS SHOWN IN DETAIL C ON SHEET 4.
6. SIP SUBSTRATE CONNECTIONS SHALL BE AS FOLLOWS (SEE NOTE 7 BELOW):
 - 6.1. SILL
 - 6.1.1. SEE DETAIL D ON SHEET 5 FOR INSTALLATION INTO CONCRETE SUBSTRATE.
 - 6.1.2. SEE DETAIL E ON SHEET 5 FOR INSTALLATION INTO #2 SYP (OR WOOD WITH SG = 0.55 OR GREATER) SUBSTRATE.
 - 6.2. HEAD
 - 6.2.1. SEE DETAIL E ON SHEET 5 FOR INSTALLATION INTO #2 SYP (OR WOOD WITH SG = 0.55 OR GREATER) SUBSTRATE. INSTALLATION AT SILL SHOWN - REVERSE FOR HEAD INSTALLATION.
 - 6.3. OTHER METHODS WILL REQUIRE PREPARATION OF SITE SPECIFIC DOCUMENTS PREPARED BY THE ENGINEER OF RECORD, DELEGATED ENGINEER OF ARCHITECT AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION.
7. ANCHOR SCHEDULE
 - 7.1. CONCRETE (2500 PSI MINIMUM STRENGTH)
 - 7.1.1. 1/4" HILTI KWIK BOLT 3, 1-1/8" MINIMUM EMBEDMENT, 2 3/4" MINIMUM EDGE DISTANCE.
 - 7.2. WOOD (SPECIFIC GRAVITY OF 0.55 OR GREATER)
 - 7.2.1. 5/8" LAG SCREW, 3 3/8" MINIMUM EMBEDMENT (EXCLUDES SCREW TIP), 2 1/2" EDGE DISTANCE.

SIP PANEL SCHEDULE					
TOP (EXTERIOR) SKIN	BOTTOM (INTERIOR) SKIN	CORE	OVERALL PANEL THICKNESS	ADHESIVE	REINFORCEMENT
12 MM THICK MAGNESIUM OXIDE BOARD BY MGO CORP	12 MM THICK MAGNESIUM OXIDE BOARD BY MGO CORP	5 5/8" 1.0 PCF INSULFOAM EXPANDED POLYSTYRENE (EPS).	6 9/16"	DOW MOR-AD 654 LAMINATING ADHESIVE	24 OZ. PHENOLIC RESIN REINFORCEMENT ON ONE SIDE OF THE WALL BETWEEN THE FOAM AND THE MAGNESIUM OXIDE BOARD.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, PERFORMANCE RATING & INSTALLATION NOTES
2	SIP ELEVATIONS AND SPLINE DETAILS
3	SIP END DETAILS
4	SIP END DETAILS
5	SUBSTRATE CONNECTION DETAILS



PERFORMANCE RATING	
BASED ON TAS 201, TAS 202, TAS 203	
TRANSVERSE LOADING DESIGN PRESSURE (PSF)	IMPACT RATING
+/-90	LARGE AND SMALL MISSILE IMPACT
THIS WALL PANEL SYSTEM IS NOT APPROVED FOR AIR INFILTRATION AND WATER PENETRATION. AIR INFILTRATION AND WATER PENETRATION TESTING TO TAS 202 WAS NOT PERFORMED.	
BASED ON ASTM E72-10, SECTION 9 COMPRESSION LOADING *	
CONCENTRATED LOADING (LBS)	DISTRIBUTED LOADING (LBS/FT)
28,563	7,141
TRANSVERSE DEFLECTION DID NOT EXCEED L/360. COMPRESSION LOAD BASED ON AVERAGE OF THREE TESTS DIVIDED BY ALLOWABLE STRESS DESIGN SAFETY FACTOR PER AISI.	
* THE ONLY LOADING PERFORMED PER ASTM E72-10 WAS THE COMPRESSION LOADING. THE TENSION OR RACKING LOADINGS WERE NOT PERFORMED. THEREFORE, NEITHER THE TENSION OR RACKING CAPACITIES ARE APPROVED.	

PROJECT NO. 414-0116		RJA	4/30/15	RJA	DATE
	REVISED PER MD	REVIEW COMMENTS			
	B	A	4/21/15	REV	DESCRIPTION

INNOVA ECO BUILDING SYSTEM, LLC
3300 NW 110 STREET
MIAMI, FL 33167

TITLE: INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL
GENERAL NOTES, PERFORMANCE RATING & PANEL SCHEDULE

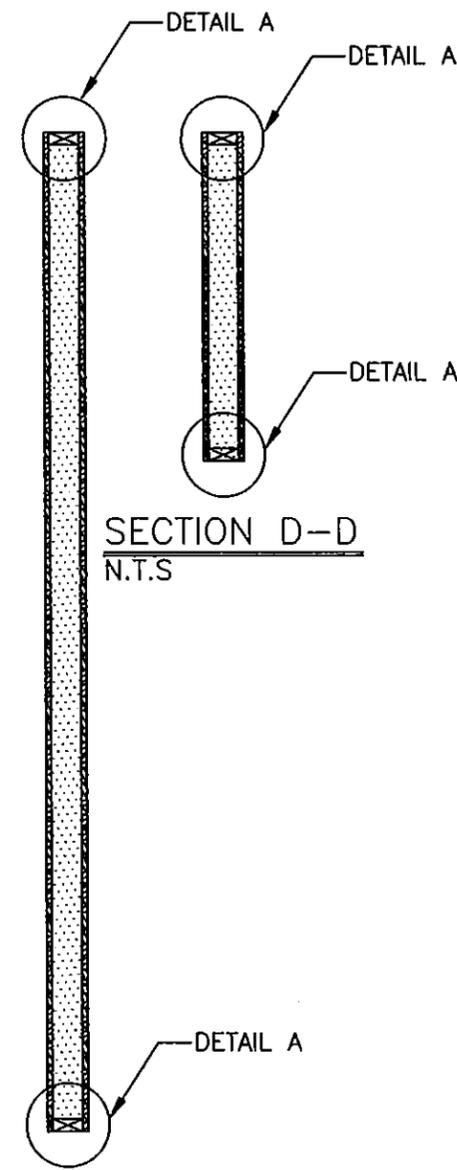
DRAWN BY: RJA
SCALE: NONE
REV: B

DATE: 11/12/14
DRAWING NO: IEB50003
SHEET: 1 OF 5

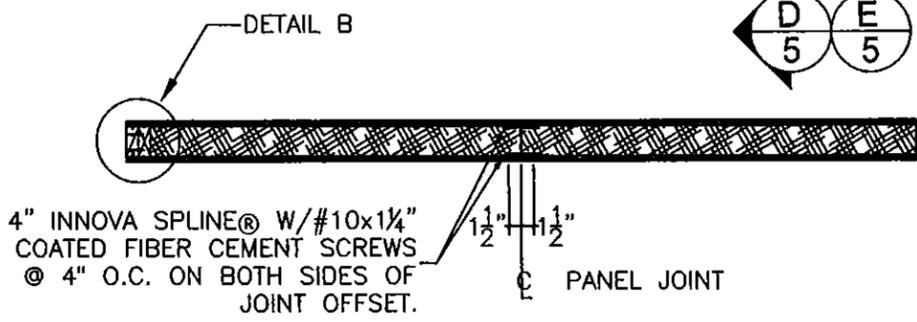
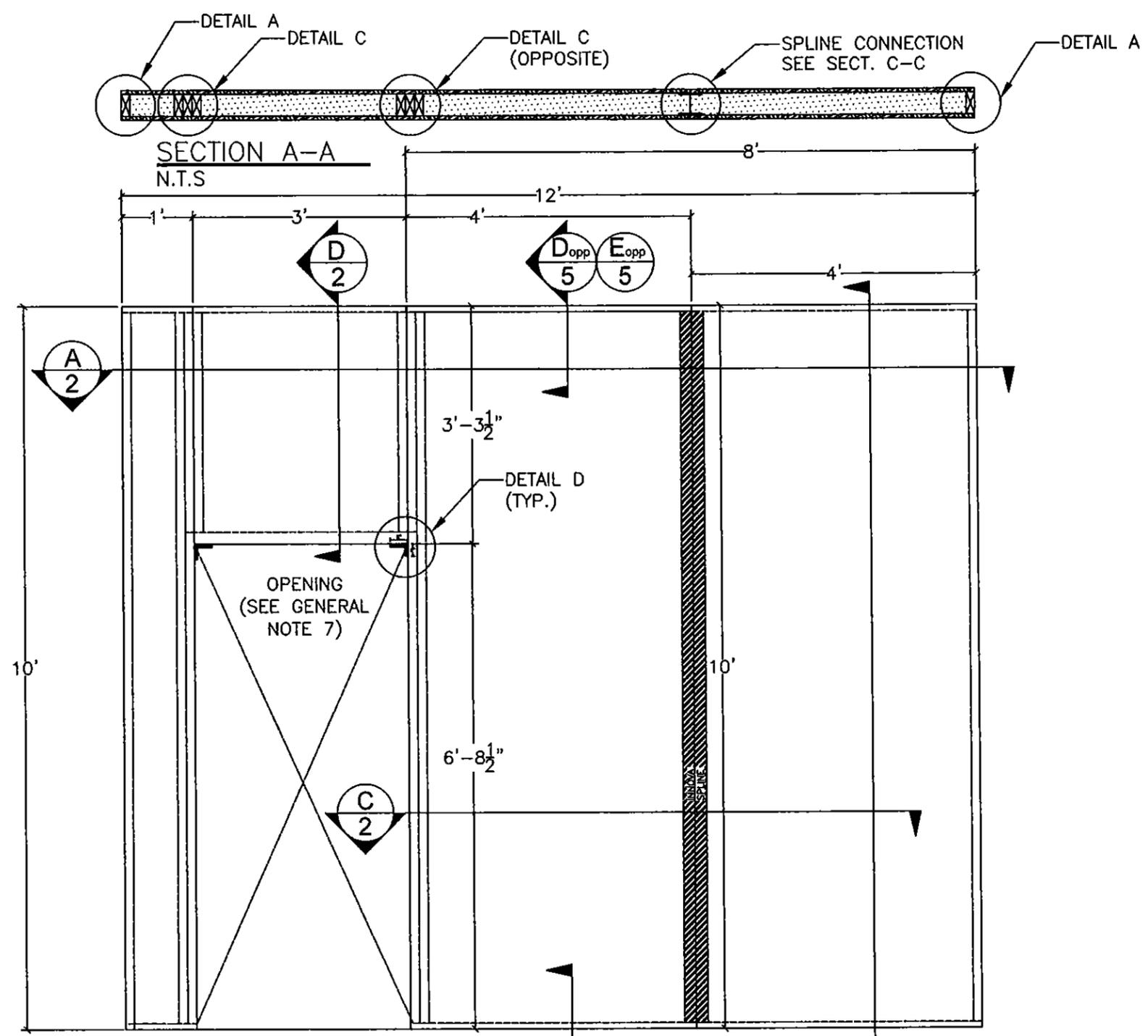
PREPARED BY: PTC
PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 520775
Longwood, FL 32752-0775
Phone: 321.690.1788
Fax: 321.690.1780
Email: info@pb-comp.com

Approved as complying with the Florida Building Code
Date 05/14/2015
NOA# 14-1202-06
Miami Dade Product Control
By *Heby A. M...*

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



SECTION B-B
N.T.S.



SECTION C-C
N.T.S.

ELEVATION
Scale 1/2" = 1'-0"

PROJECT NO. 414-0116

		RJA	BY
REVISED PER MD	4/30/15	RJA	DATE
REVIEW COMMENTS			
REVISED PER MD	4/21/15	RJA	DATE
REVIEW COMMENTS			
REV	DESCRIPTION		

INNOVA ECO BUILDING SYSTEM, LLC
3300 NW 110 STREET
MIAMI, FL 33167

TITLE: INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL
SIP ELEVATIONS AND SPLINE DETAILS

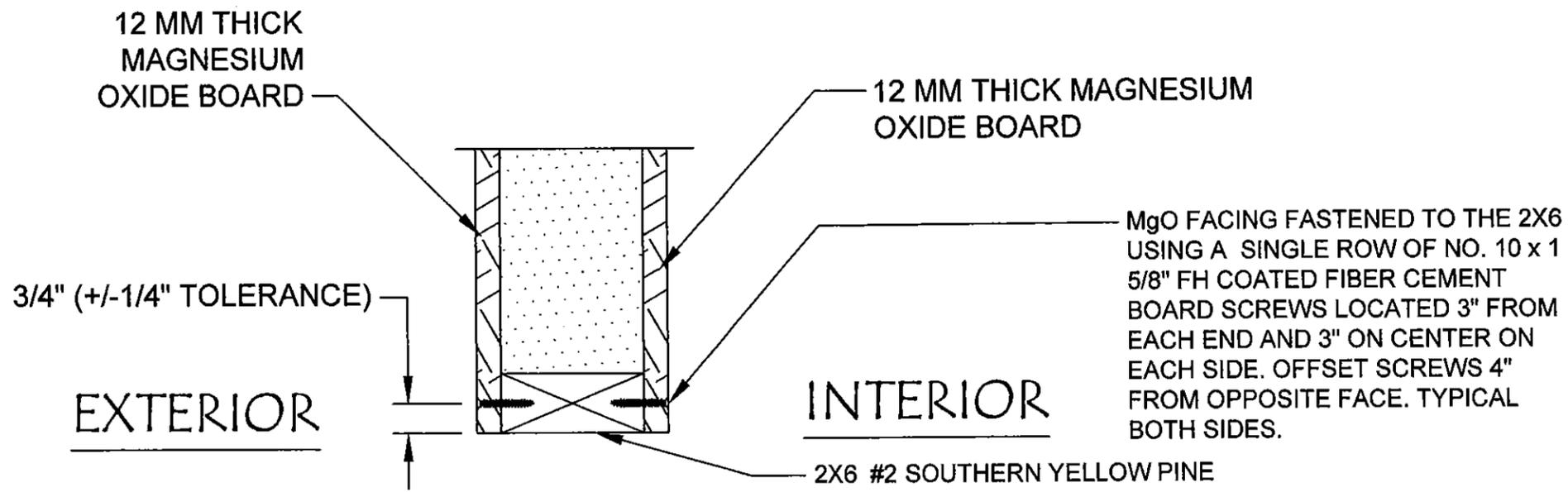
PREPARED BY:	RJA	DATE:	11/12/14
DRAWN BY:	RJA	DRAWING NO.:	IEBS0003
SCALE:	NONE	REV.:	2 OF 5
BY:			

PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 520775
Langwood, FL 32752-0775
Phone: 321.680.1788
Fax: 321.680.1789
FBPE Cert. of Auth. No. 25835 Email: info@ptcdg.com

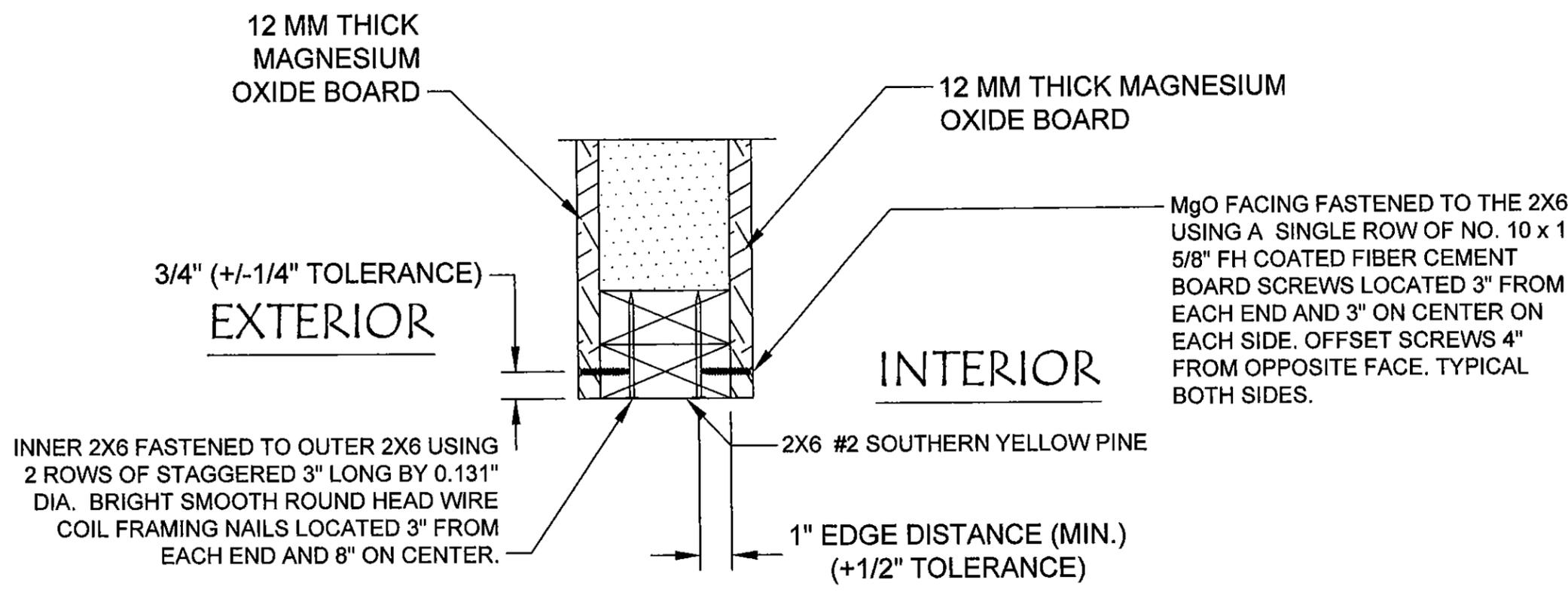
Approved as complying with the
Florida Building Code
Date 05/14/2015
NOA# 14-1202.06
Miami Dade Product Control

By *Robert J. Amoruso*

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



DETAIL A - MgO/MgO PANEL
SIDE/END PLATE CONNECTIONS
N.T.S



DETAIL B - OPENING SECTION
N.T.S

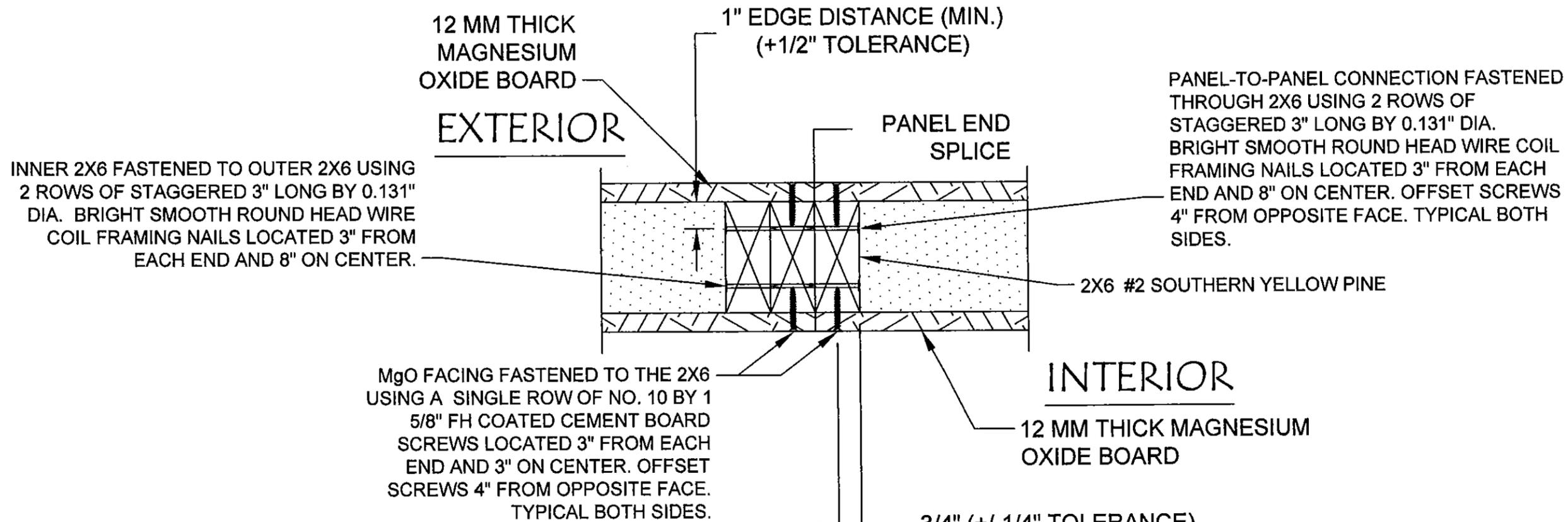
PROJECT NO. 414-0116		REVISED PER MD	4/30/15	RJA	BY
		REVIEW COMMENTS			DATE
		REVISED PER MD	4/21/15	RJA	BY
		REVIEW COMMENTS			DATE
		REV			
		DESCRIPTION			

INNOVA ECO BUILDING SYSTEM, LLC		DATE:	11/12/14
3300 NW 110 STREET		DRAWING NO.:	IEBS0003
MIAMI, FL 33167		SCALE:	NONE
TITLE: INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL		REV:	B
SIP END DETAILS		SHEET:	3 OF 5
PREPARED BY:	RJA		

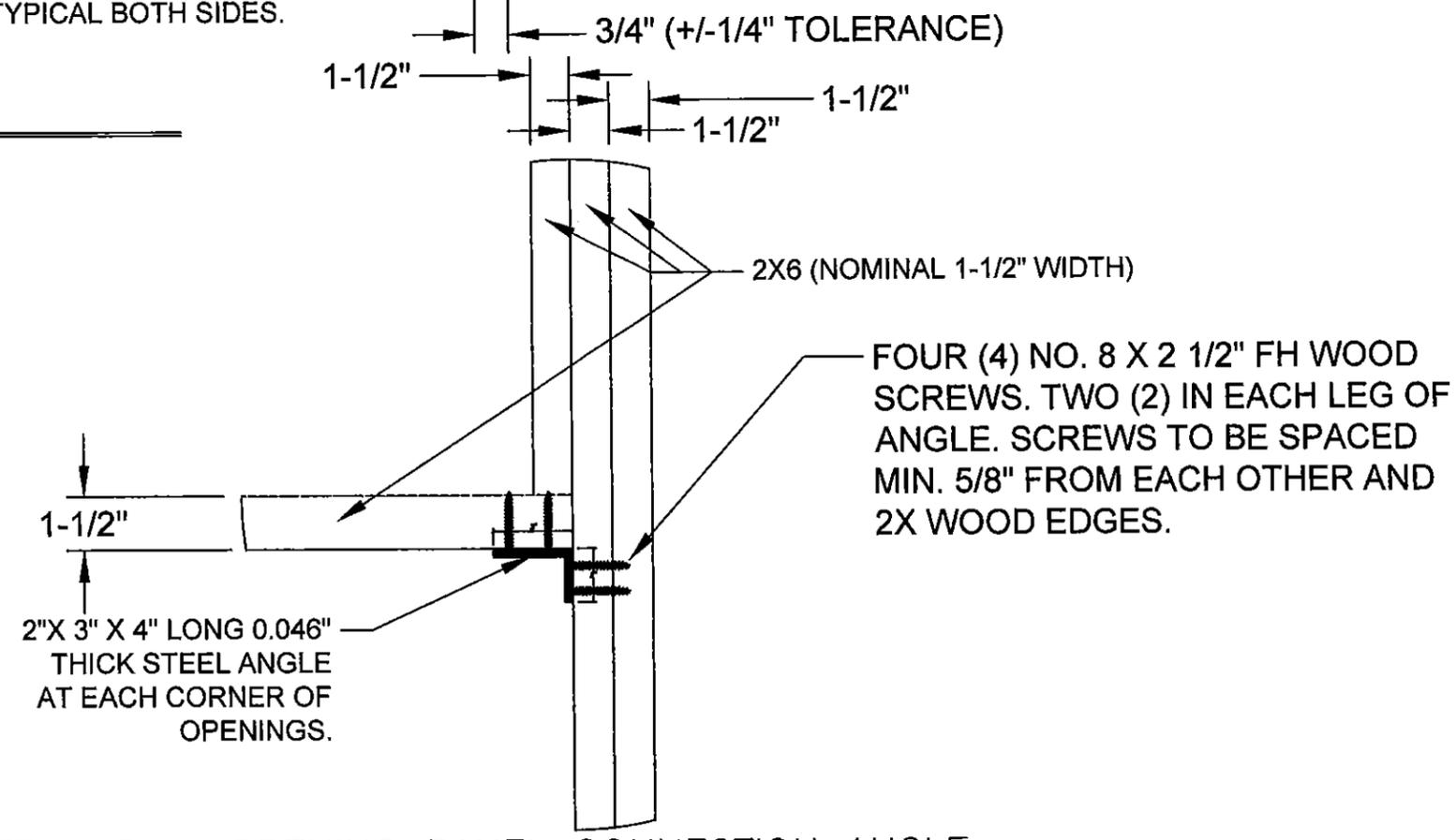
PTC PRODUCT DESIGN GROUP, LLC	Phone: 321.880.1718
P.O. Box 520775	Alt. Phone: 321.880.1718
Largo, FL 32752-0775	Email: info@ptc-usa.com
FBPE Cert. of Auth. No. 22935	

Approved as complying with the
Florida Building Code
Date 05/14/2015
NOA# 14-1202.06
Miami Dade Product Control
By Robert J. Amoruso

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



DETAIL C - MgO/MgO HEADER PANEL PANEL-TO-PANEL CONNECTIONS
N.T.S

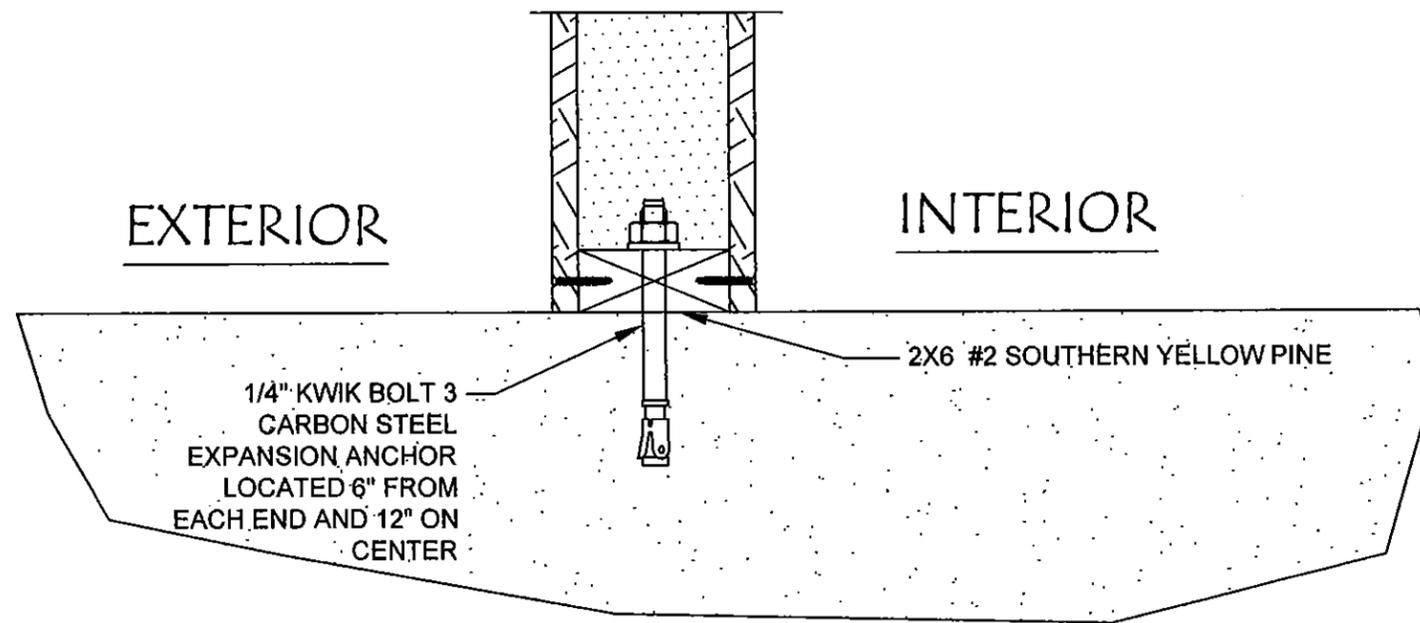


DETAIL D - OPENING PANEL CONNECTION ANGLE
N.T.S

PROJECT NO. 414-0116		REVISED PER MD	DATE
		REVIEW COMMENTS	4/30/15
		REVIEW COMMENTS	4/21/15
		DESCRIPTION	BY
			REV
INNOVA ECO BUILDING SYSTEM, LLC 3300 NW 110 STREET MIAMI, FL 33167		DATE:	11/12/14
TITLE: INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL		DRAWING NO.:	IEBS0003
SIP END DETAILS		SCALE:	NONE
DRAWN BY: RJA		REV:	B
SHEET:		4 OF 5	
PREPARED BY:		PTC PRODUCT DESIGN GROUP, LLC P.O. Box 520775 Largo, FL 33752-0775 Phone: 321.690.1786 Fax: 321.690.1789 Email: info@pcp.com	

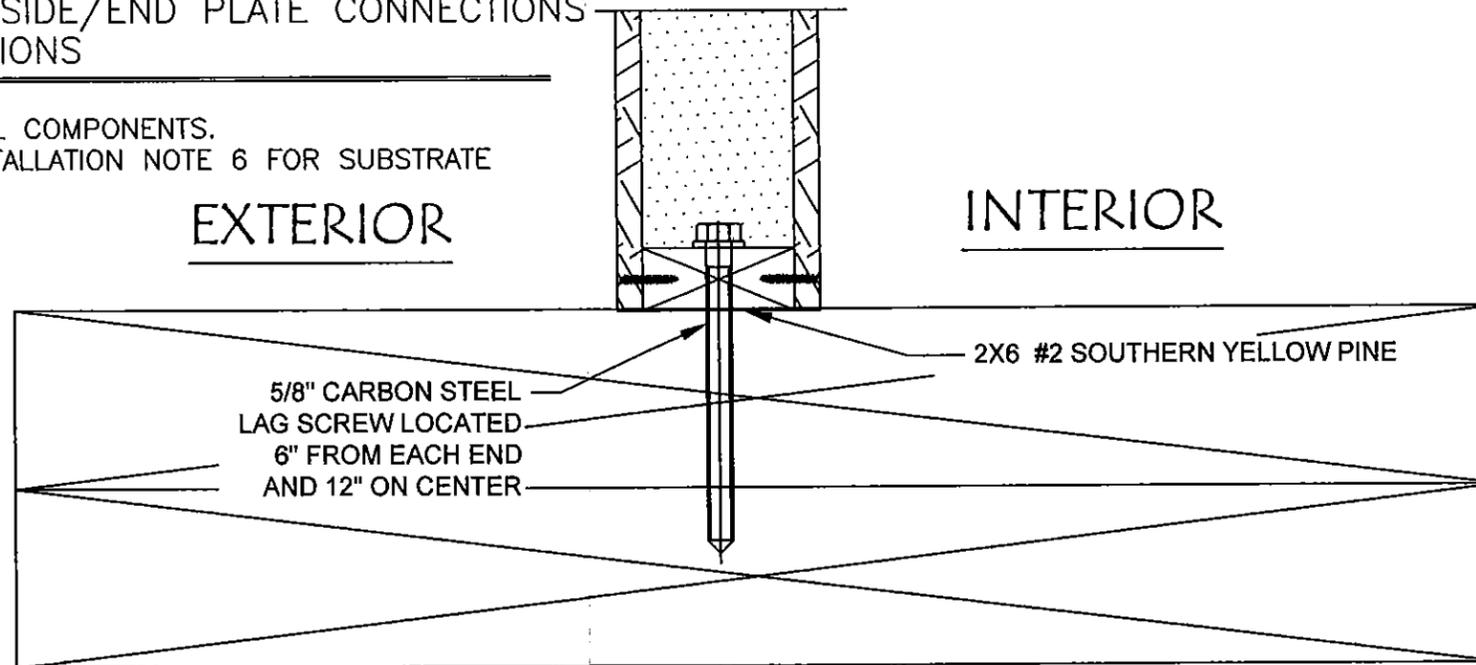
Approved as complying with the Florida Building Code
Date 05/14/2015
NOA# 14-1702.06
Miami Dade Product Control
By *Heidy A. Melon*

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



SECTION D - MgO/MgO PANEL SIDE/END PLATE CONNECTIONS
CONCRETE SUBSTRATE INSTALLATIONS

N.T.S
SEE DETAIL A ON SHEET 3 FOR SIP PANEL COMPONENTS.
SEE ANCHOR SCHEDULE ON SHEET 1, INSTALLATION NOTE 6 FOR SUBSTRATE FASTENING REQUIREMENTS.



DETAIL E - MgO/MgO PANEL SIDE/END PLATE CONNECTIONS
WOOD SUBSTRATE INSTALLATIONS

N.T.S
SEE DETAIL A ON SHEET 3 FOR SIP PANEL COMPONENTS.
SEE ANCHOR SCHEDULE ON SHEET 1, INSTALLATION NOTE 6 FOR SUBSTRATE FASTENING REQUIREMENTS.

PROJECT NO. 414-0116		REVISED PER MD	4/30/15	RJA	BY
		REVIEW COMMENTS			DATE
	B				
	A		4/21/15	RJA	
	REV	DESCRIPTION			
INNOVA ECO BUILDING SYSTEM, LLC 3300 NW 110 STREET MIAMI, FL 33167		DRAWN BY:	RJA	DATE:	11/12/14
TITLE: INNOVA PANEL HIP - 6" MgO HIGH IMPACT WALL PANEL SUBSTRATE CONNECTION DETAILS		SCALE:	NONE	DRAWING NO.:	IEBS0003
		REV:	B	SHEET:	5 OF 5
PTC PRODUCT DESIGN GROUP, LLC P.O. Box 520775 Longwood, FL 32752-0775 Phone: 321.960.1798 Fax: 321.960.1789 Email: info@ptc-usa.com					

Approved as complying with the
Florida Building Code
Date 05/14/2015
NOA# 14-1202.06
Miami Dade Product Control
By *Robert J. Amoruso*

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