

INSTALLATION NOTES:

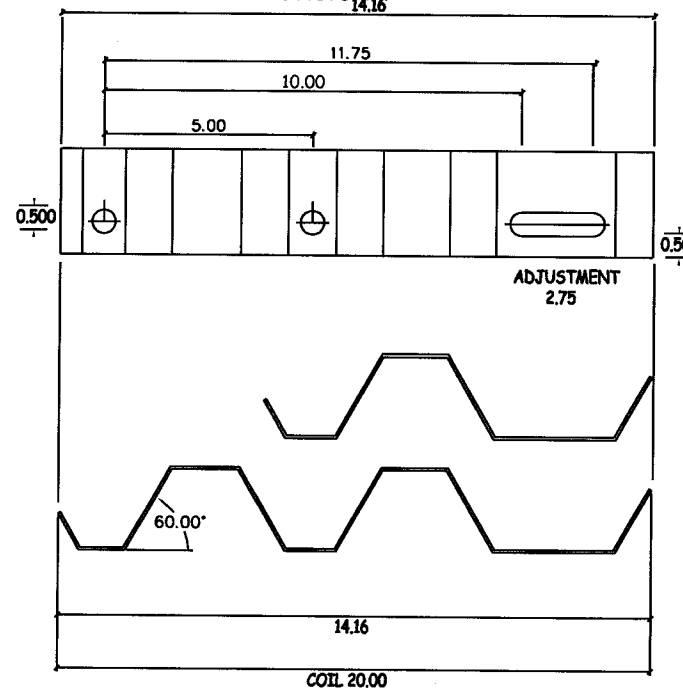
- ADJUSTABLE STORM PANEL AND COMBO DOOR KIT. PATENTED, U.S. PATENT NO. 5,504,018, PATENT PENDING.
- THESE " INNOVATIVE NEW PRODUCT" EVALUATION DOCUMENTS REPRESENT A SHUTTER KIT AND GLASS WINDOW SYSTEM DESIGNED AND TESTED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, (I.B.C.) AND THE FLORIDA BUILDING CODE 2007. "CANNOT BE USED IN HIGH VELOCITY HURRICANE ZONES".
- THIS DOOR KIT INSERT PROTECTOR HAS PASSED TESTING FOR ASTM-E 330 "UNIFORM STATIC AIR PRESSURE DIFFERENCE", ASTM- E 1996-05 "IMPACTED BY WINDBORNE DEBRIS" AND ASTM 1886-05 "IMPACTED BY MISSILES AND CYCLIC PRESSURE
- "J" HEADER AND SILL HAS A 0.075" WALL THICKNESS.
- DOOR SYSTEM IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD. LITE KIT GUARD SYSTEM IS APPROVED FOR USE ONLY WITH DOOR SYSTEMS THAT HOLD A CURRENT FLORIDA STATE PRODUCT APPROVAL. NOT FOR USE IN "HVHZ".
- ANCHORS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL ALUMINUM EXTRUSIONS ARE ALLOY 6063-T5 OR T6 WITH TYPICAL WALL THICKNESS OF 0.075".
- USE HIGH QUALITY CAULK BEHIND KIT'S HEADER AND SILL, OSI. OR EQUIVLANT.
- THE RESPONSIBILITY FOR SELECTION OF THESE PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS RESTS SOLELY WITH THE ARCHITECT, BUILDER, OWNER OR CONTRACTOR.
- THESE PRODUCT EVALUATION DOCUMENTS ARE VALID WHEN DATED & EMBOSSED SEALED AND OR A MASTER APPROVAL DOCUMENT IS ON FILE WITH A MUNICIPALITY OR OTHER GOVERNING AGENCY.
- THESE PRODUCT EVALUATION DOCUMENTS ARE SUITABLE TO BE APPLIED BY THE CONTRACTOR PROVIDED THE CONTRACTOR DOES NOT DEVIATE FROM THE CONDITIONS DETAILED HEREIN AND THE CONTRACTOR VERIFIES THE EXISTING STRUCTURE IS CAPABLE OF SUPPORTING THE SUPERIMPOSED LOADS.
- ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED.
- WHEN THE SITE CONDITIONS DEVIATE FROM THESE PRODUCT EVALUATION DOCUMENTS, SITE SPECIFIC DOCUMENTS SHALL BE PREPARED BY A DULY LICENSED AND REGISTERED ENGINEER OR ARCHITECT.
- A MINIMUM OF ONE LABEL PER OPENING OR A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED BY THE MANUFACTURER OR INSTALLER. WHERE LABELS ARE USED, THE LABEL SHALL READ AS REQUIRED BY THE QUALITY ASSURANCE AGENCY AND NAME OF MANUFACTURER.
- STORM PANELS SHALL BE MARKED PATENTED, U.S. PATENT NO, 5,540,018. AND PATENT PENDING.
- STORM PANELS SHALL BE 22 GAUGE STEEL CONFORMING TO ASTM A653 SQ GRADE 40, G60 GALVANIZED COATING AND BE LIMITED TO 103" SPAN ON THIS ENGINEERING.
- PERMANENT FASTENER COMPONENTS MUST BE PROTECTED AGAINST CONTAMINATION & CORROSION.
- NO INCREASE IN ALLOWANCE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT.
- REFERENCED TEST REPORTS BY NCTL. ARE THE PROPERTY OF D.W.S.

DIVERSIFIED WINDOW SOLUTIONS, INC.

LITE KIT GUARD

PANEL INSTALLATION NOTES MAXIMUM SPAN 96.25":

- INSERT 3/4" HEX HEAD 1/4" #20 BOLTS INTO THE BOTTOM TRACK, ONE BOLT FOR EACH HOLE IN THE BOTTOM OF THE PANELS.
- INSTALL PANELS FROM THE LEFT SIDE OF THE WINDOW OR SLIDING GLASS DOOR OPENING TOWARDS THE RIGHT SIDE OF THE OPENING. THE NARROW EDGE OF THE PANEL IS ON THE LEFT AND THE WIDER SIDE OF THE PANEL WITH THE ELONGATION HOLE TO THE RIGHT SIDE.
- INSERT THE FIRST PANEL INTO THE UPPER "U" HEADER AND PLACE THE PREPUNCHED HOLES IN THE BOTTOM OF THE PANEL OVER THE BOLTS EXTENDING FROM THE BOTTOM "J" TRACK.
- INSTALL THE MOLDED WING NUTS ON THE LEFT BOLT AND ON THE CENTER BOLT, DO NOT TIGHTEN THE WING NUTS AT THIS TIME.
- INSTALL THE NEXT PANEL OVERLAPPING THE FIRST PANEL WITH THE NARROW SIDE OF THE SECOND PANEL OVERLAPPING THE WIDER RIGHT SIDE OF THE FIRST PANEL.
- ON THE SECOND PANEL, INSTALL THE MOLDED WING NUTS ON THE LEFT BOLT AND ON THE CENTER BOLT, DO NOT TIGHTEN THE WING NUTS AT THIS TIME.
- CONTINUE INSTALLING PANELS USING THIS METHOD UNTIL THE OPENING IS COVERED.
- WITH THE WING NUTS LOOSE, THE PANELS MAY BE ADJUSTED TO THE RIGHT OR LEFT AS NEEDED. ONCE THIS IS DONE, TIGHTEN ALL WING NUTS TO PROPERLY SECURE THE PANELS TO THE LOWER "J" TRACK.
- DO NOT STAND BEHIND WINDOWS DURING A STORM.



SIZE & CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
36" X 96.25"	+60/-60 PSF	LARGE MISSILE IMPACT RATED

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Diversified Window Solutions, Inc.
 215 PINEDA STREET
 UNIT 141
 LONGWOOD, FL 32750
 PH: 407-889-9440 FX:407-889-9193

TITLE: LITE GUARD KIT
 GENERAL & INSTALLATION NOTES
 PREPARED BY: CERTWORKS, LLC
 127 W. FAIRBANKS AVE., STE. 438
 WINTER PARK, FL 32789
 PH: (407) 644-6957 FX: (407) 644-2366

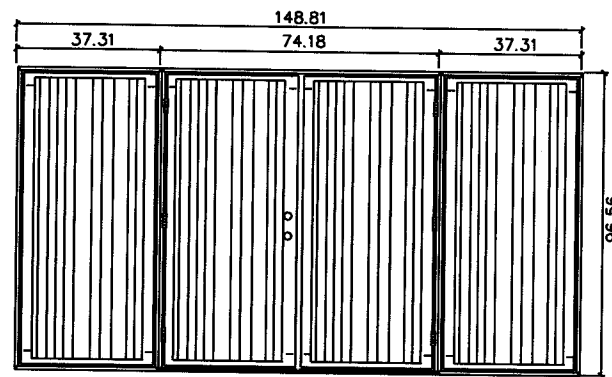
REVISIONS	DESCRIPTION	BY	DATE

Professional Engineer Seal:
 ALEXIS SPRYDLO, P.E.
 FLORIDA P. E. NO. 68101
 127 W FAIRBANKS AVE., STE 438
 WINTER PARK, FL 32789
 FBPE CERT. OF AUTHORIZATION NO. 28520

DATE: 11.05.10	DWN BY: JLA	CHK BY: HFN	SCALE: NTS
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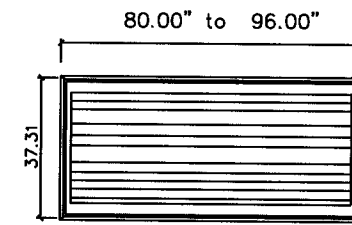
DWG #: **DWS002**

SHEET: **1 OF 6**

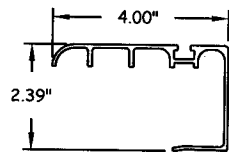


3'0 X 6'8 OR 8'0 - LITE (O), DOOR (X), DOOR (X), LITE (O)
THE SHUTTER INSERT PROTECTOR KIT IS INSTALLED
DOOR BY OTHERS MUST MEET LOCAL CODE REQUIREMENTS

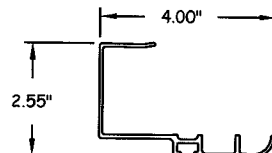
STORM PANEL MAY BE INSTALLED VERTICALLY OR HORIZONTALLY.



TYPICAL BOX UNIT AND STORM PANEL
DETAIL 4 - 3'0 X 8'0, O OR X



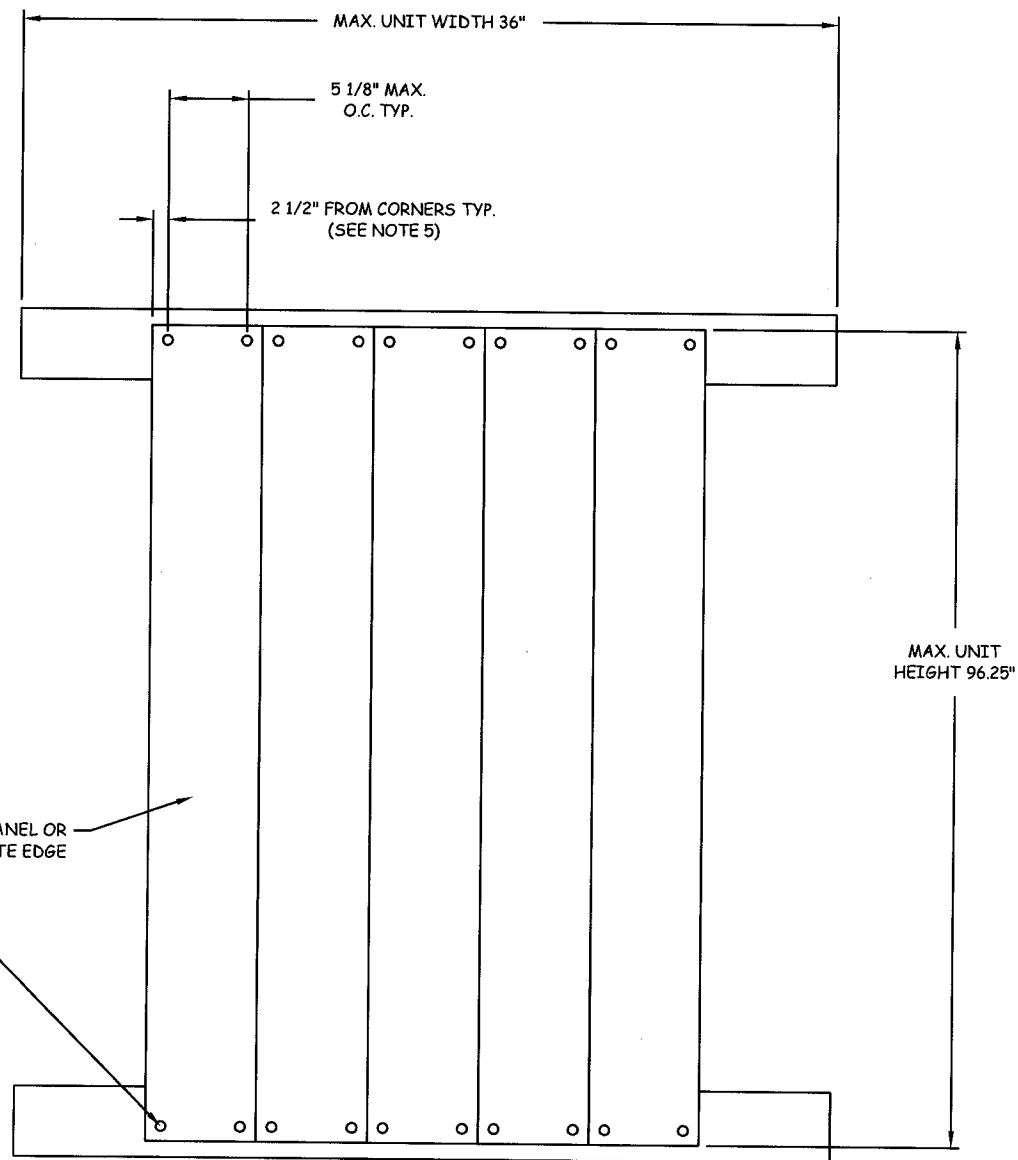
OUTSWING SHUTTER INSERT PROTECTOR EXTRUSION



INSWING SHUTTER INSERT PROTECTOR EXTRUSION

NOTES:

1. USE CAULK BEHIND KIT'S "J" HEADER & SILL, ON FIXED DOOR LITES ONLY.
2. STORM PANELS SHALL BE 22 GAUGE STEEL CONFORMING TO ASTM A653 SQUARE GRADE 40, 660 GALVANIZED COATING AND BE LIMITED TO 96.25" SPAN.
3. PRODUCT APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS APPROVED.
4. SEE SHEET 1 FOR DESIGN PRESSURE RATINGS.
5. KIT SHUTTER PANELS ARE ANCHORED AT HEAD AND SILL ONLY WITH 1/4-20 X 3/4" SS BOLTS WITH 1/4-20 WINGNUT WASHER. ANCHORS ARE LOCATED 2 1/2" FROM EACH CORNER OF THE PANEL AND 5 1/8" MAX. O.C.
6. FASTENERS WILL GO THROUGH THE HEADER TO SECURE DOOR TO FRAME ON DOOR LITES ONLY.
7. FASTENER SPACING AS PER DOOR MANUFACTURERS SPECIFICATIONS.



OX CONFIGURATION WITH SHUTTER PANELS
EXTERIOR ELEVATION

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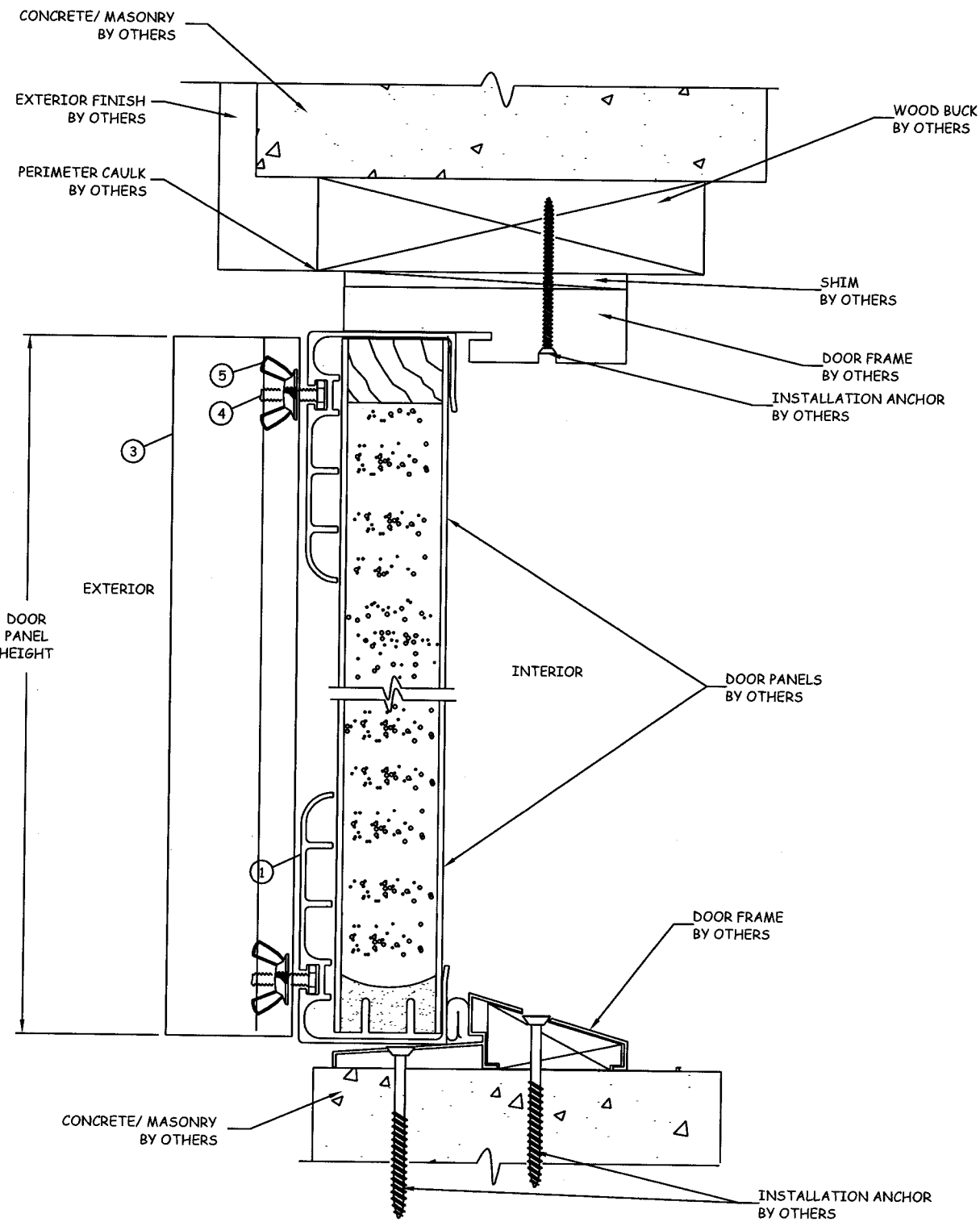
215 PINEDA STREET
UNIT 141
LONGWOOD, FL 32750
PH: 407-889-9440 FX: 407-889-9193

TITLE: LITE GUARD KIT ELEVATIONS & ANCHOR LAYOUT
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

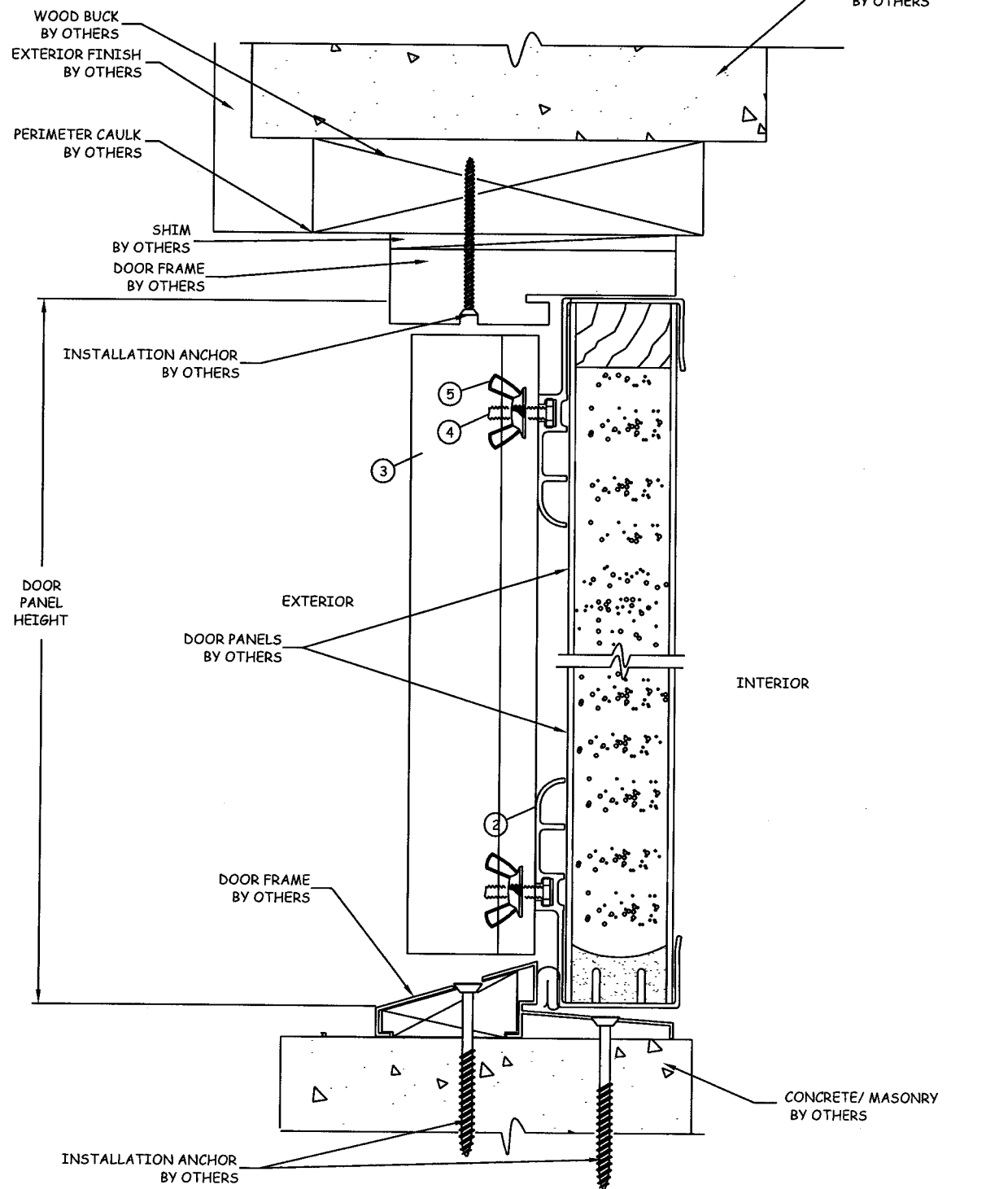
REVISIONS	
NO.	DESCRIPTION

ALEXIS SPRYDLO, P.E.
FLORIDA P.E. NO. 88101
127 W FAIRBANKS AVE., STE 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520

DATE: 11.05.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS
DWG #: **DWS002**
SHEET: **2 OF 6**



VERTICAL CROSS SECTION DOOR AND PANELS
3'0 X 6-8' OR 8'0 OUTSWING



VERTICAL CROSS SECTION DOOR AND PANELS
3'0 X 6-8' OR 8'0 INSWING

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215 PINEDA STREET
UNIT 141
LONGWOOD, FL 32750

PH: 407-889-9440 FX: 407-889-9193

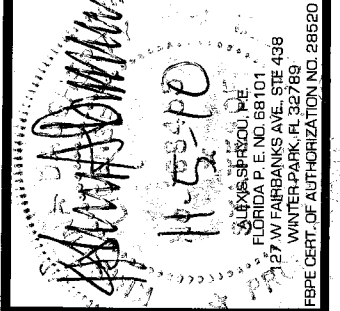
TITLE: LITE GUARD KIT

VERTICAL SECTIONS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

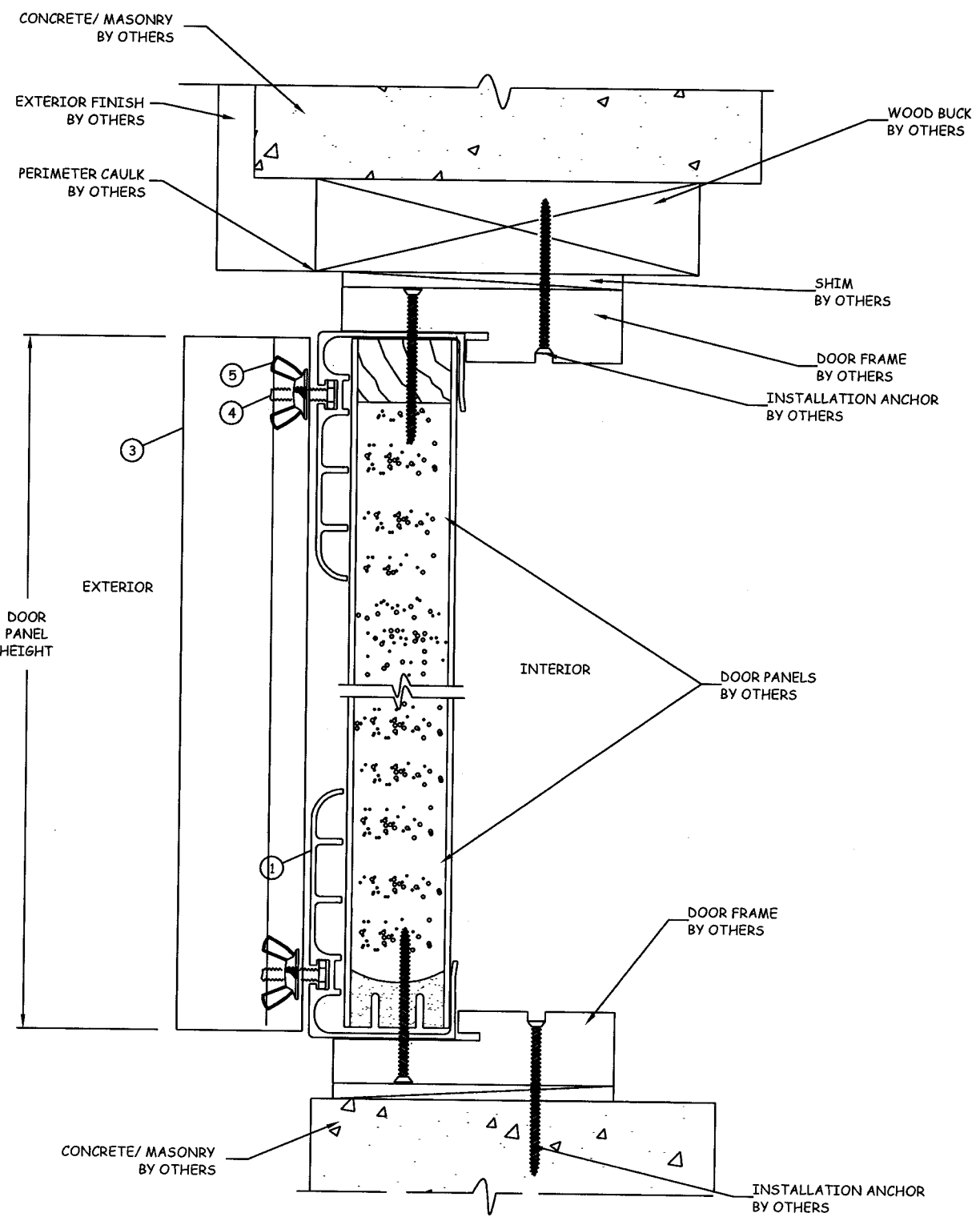
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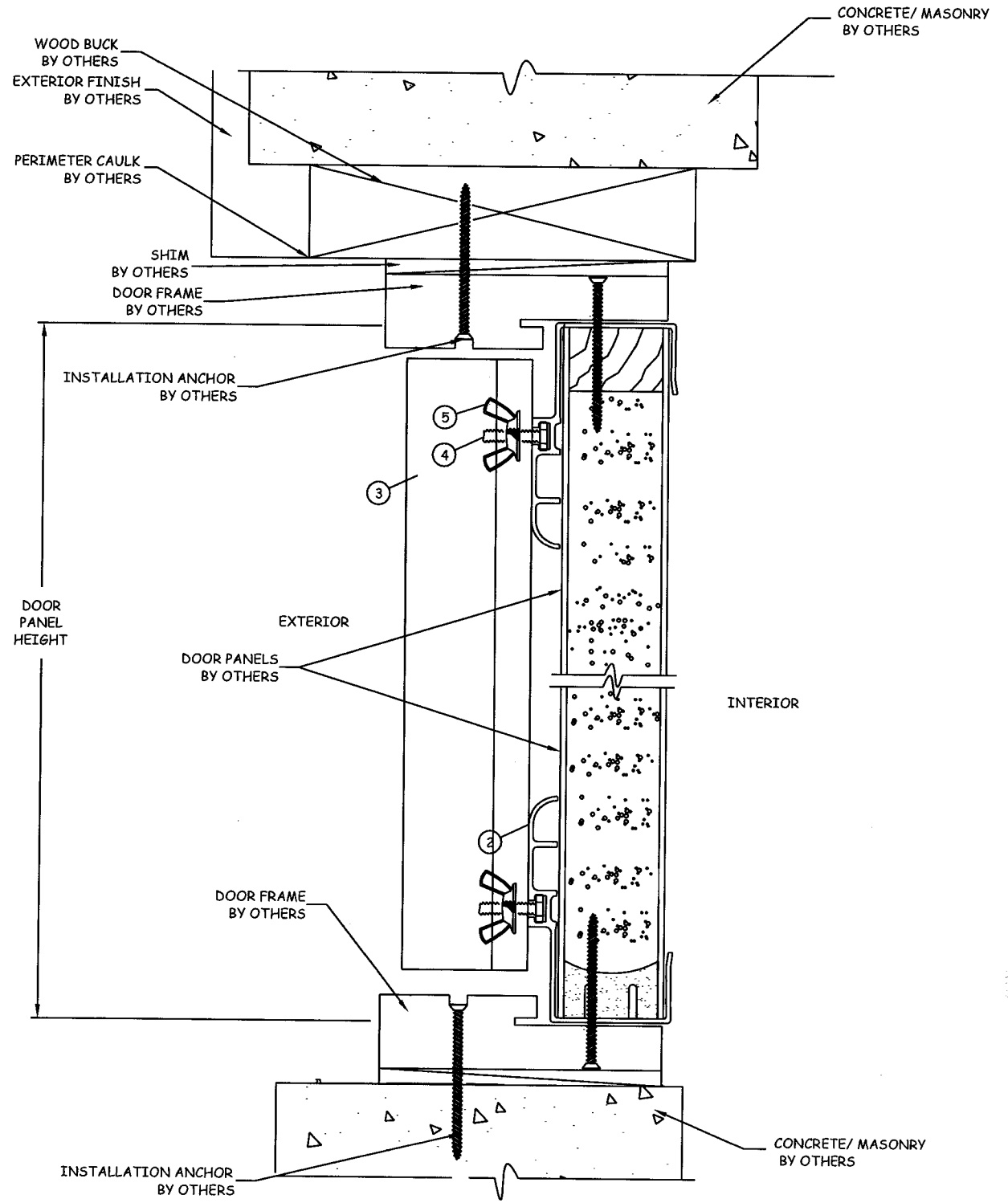
DATE: 11.05.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

DWG #: DWS002

SHEET: 3 OF 6



VERTICAL CROSS SECTION SIDELITE AND PANELS
3'0 X 6-8' OR 8'0 OUTSWING



VERTICAL CROSS SECTION SIDELITE AND PANELS
3'0 X 6-8' OR 8'0 INSWING

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Diversified Window Solutions, Inc.
 215 PINEDA STREET
 UNIT 141
 LONGWOOD, FL 32750
 PH: 407-889-9440 FX: 407-889-9193

TITLE: LITE GUARD KIT
 VERTICAL SECTIONS
 PREPARED BY: CERTWORKS, LLC
 127 W. FAIRBANKS AVE., STE. 438
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REVISIONS		
NO.	DESCRIPTION	DATE

Handwritten: 11-5-10
 ALEXIS SPRYOU, P.E.
 FLORIDA P. E. NO. 88101
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 WINTER PARK, FL 32789
 FBPE CERT. OF AUTHORIZATION NO. 28520

DATE: 11.05.10
 DWN BY: JLA
 CHK BY: HFN
 SCALE: NTS

DWG #: **DWS002**
 SHEET: 4 OF 6

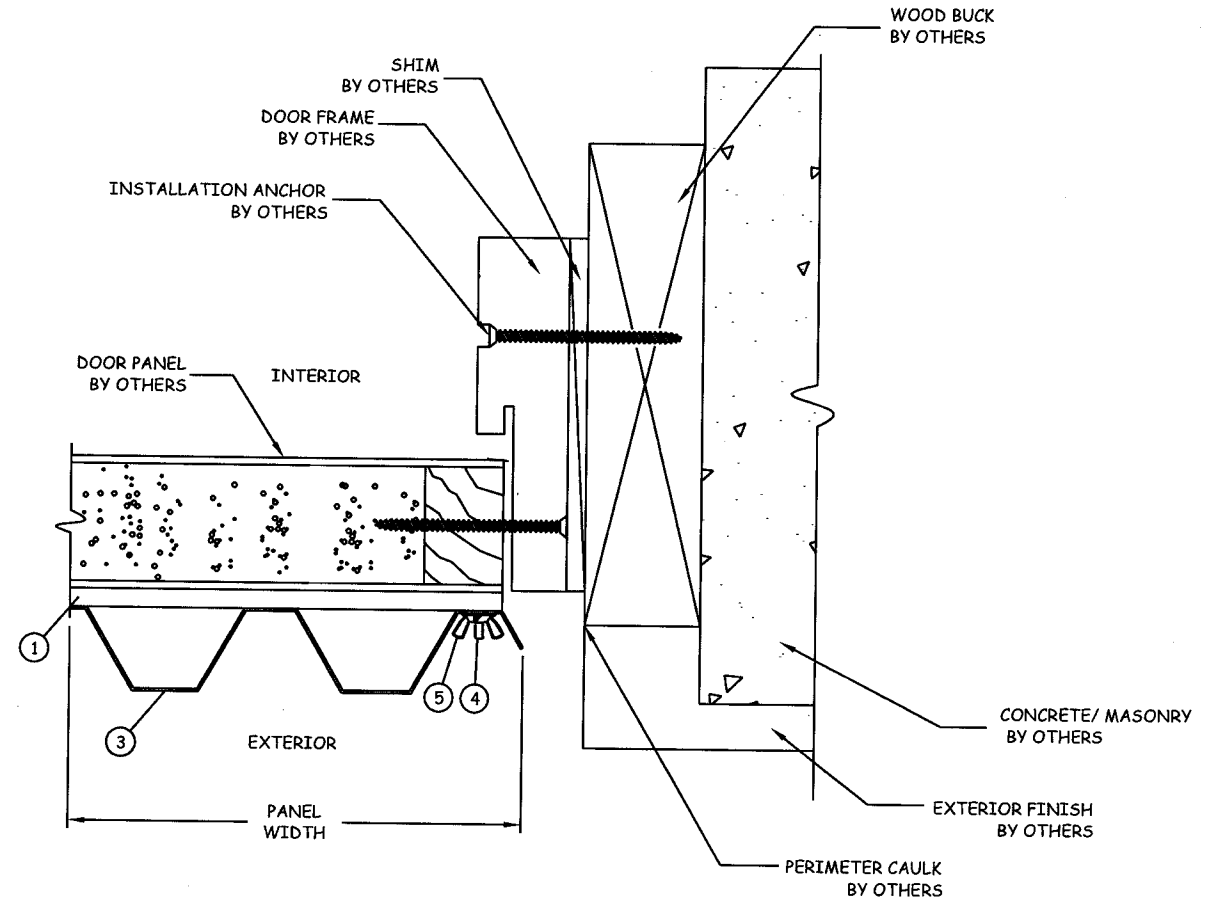


215 PINEDA STREET
UNIT 141
LONGWOOD, FL 32750

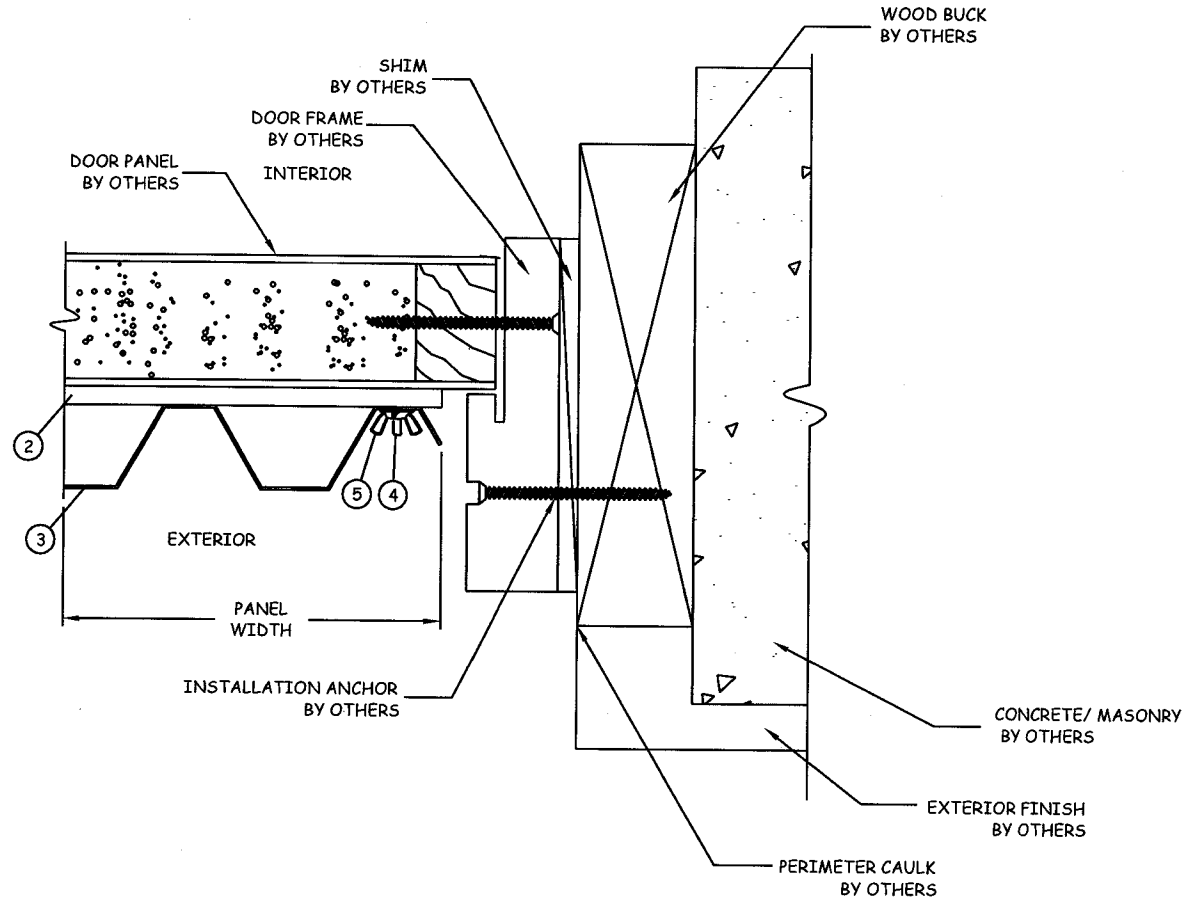
PH: 407-889-9440 FX: 407-889-9193

TITLE: LITE GUARD KIT
VERTICAL SECTIONS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366



HORIZOTNAL CROSS SECTION SIDELITE AND PANELS OUTSWING



HORIZOTNAL CROSS SECTION SIDELITE AND PANELS INSWING

REVISIONS

NO.	DESCRIPTION	BY	DATE

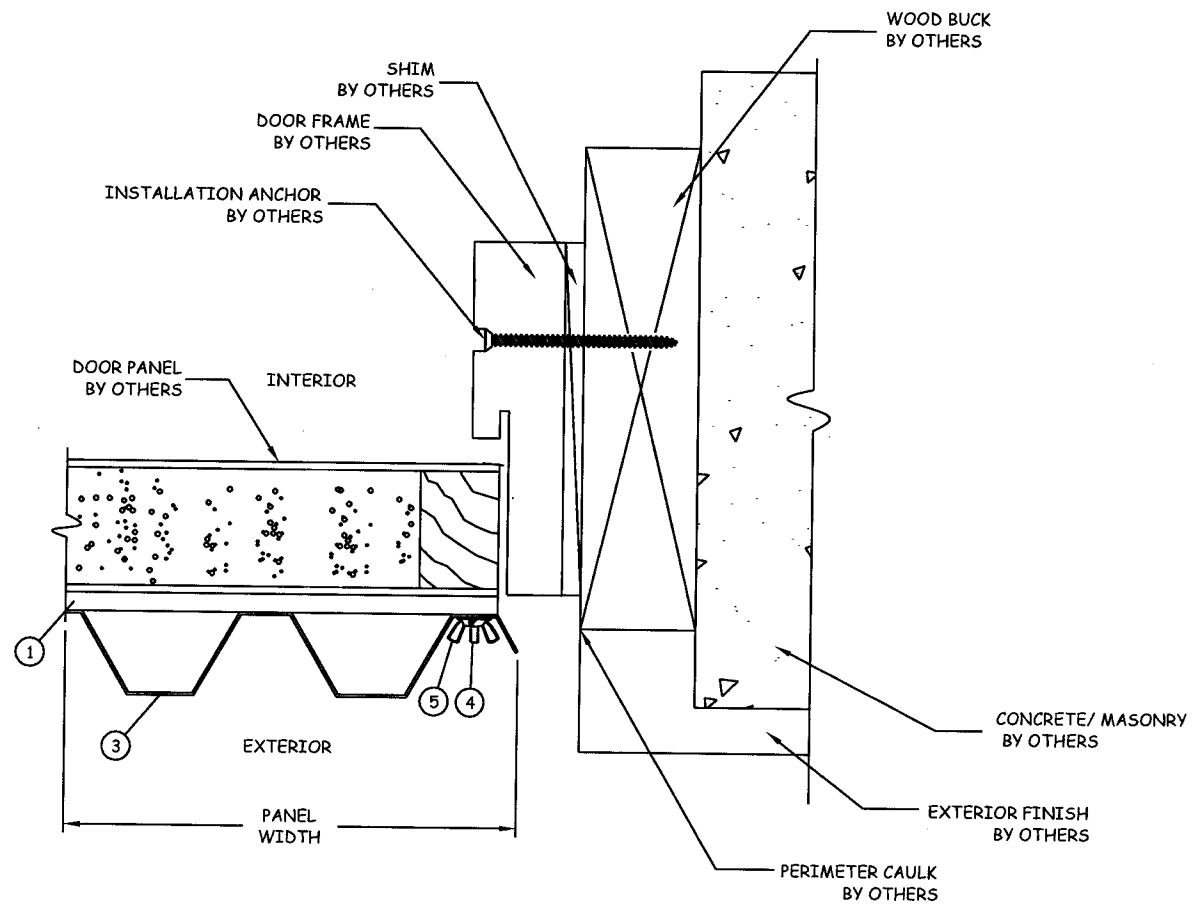
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11-5-10
 ALEXIS SPRYOUL, P.E.
 FLORIDA P.E. NO. 68101
 127 W FAIRBANKS AVE., STE. 438
 WINTER PARK, FL 32789
 FBPE CERT. OF AUTHORIZATION NO. 28520

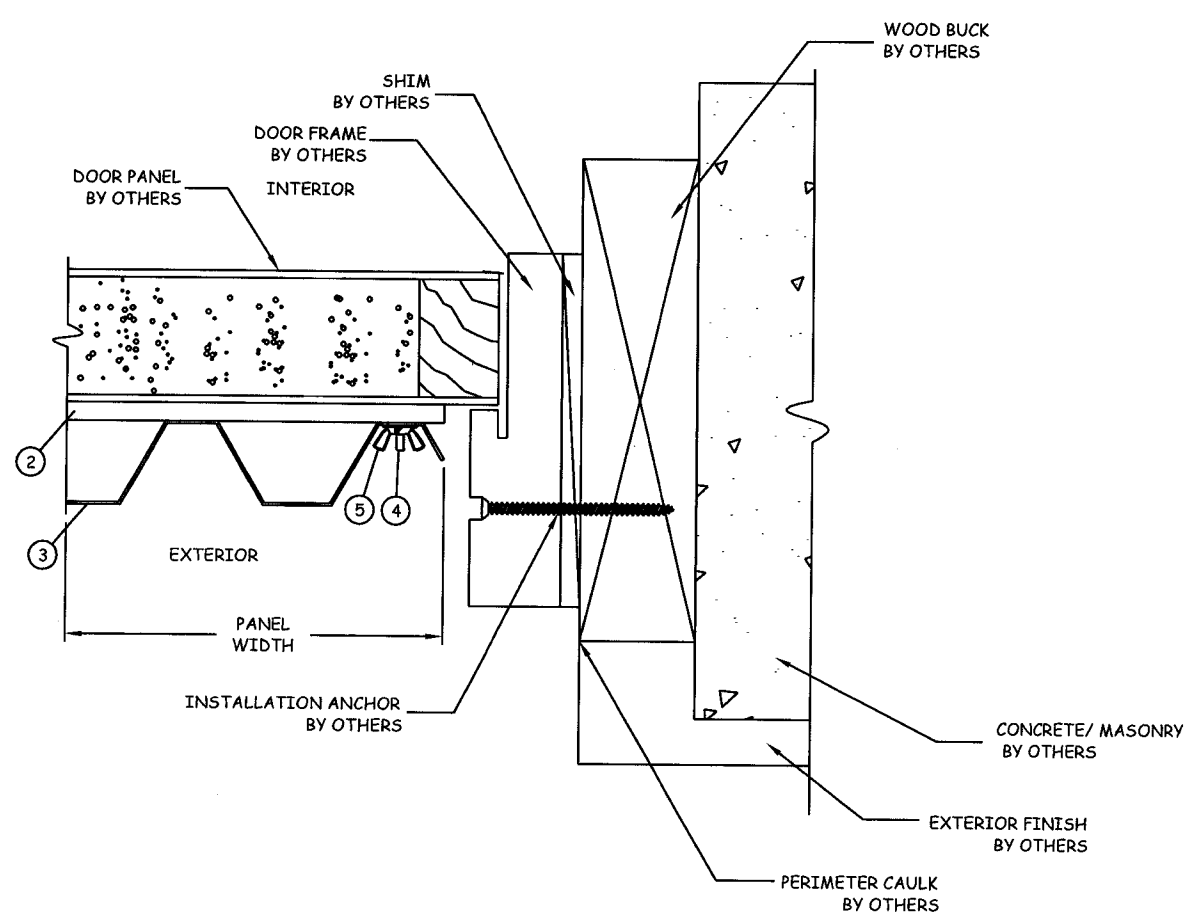
DATE: 11.05.10
 DWN BY: JLA
 CHK BY: HFN
 SCALE: NTS

DWG #: **DWS002**

BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	SHUTTER HEAD & SILL (OS)	6063-T5	DIVERSIFIED WINDOWS
2	SHUTTER HEAD & SILL (IS)	6063-T5	DIVERSIFIED WINDOWS
3	SHUTTER PANEL	A653 STEEL	DIVERSIFIED WINDOWS
4	1/4-20 x 3/4" BOLT	SS	DIVERSIFIED WINDOWS
5	1/4-20 WING NUT	SS	DIVERSIFIED WINDOWS



HORIZOTNAL CROSS SECTION DOOR AND PANELS
OUTSWING



HORIZOTNAL CROSS SECTION DOOR AND PANELS
INSWING

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Diversified
Window Solutions, Inc.
215 PINEDA STREET
UNIT 141
LONGWOOD, FL 32750
PH: 407-889-9440 FX:407-889-9193

TITLE: LITE GUARD KIT
HORIZONTAL SECTIONS & BILL OF MATERIALS
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		
NO	DESCRIPTION	BY DATE

ALEXIS SPRYOLI, P.E.
FLORIDA P.E. NO. 68101
127 W FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 28520

DATE: 11.05.10
DWN BY: JLA
CHK BY: HFN
SCALE: NTS

DWG #: **DWS002**
SHEET: **6 OF 6**