



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

REVISION APPLICATION

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Date: 5-30-18

Permit Number: 2018-04-001
Original Permit Number Issued

Contact Name: JERRY MILLER Phone: 407-509-0370
Project Address: 6633 THE LAUNDRYS DR. Belle Isle, FL 32809 32812
Nature of Change: AOD APPROX. 84' TO OFFICE
Change in Job Cost: \$ 7150.00

Do revisions affect: Site Architectural Structural Mechanical Electrical Plumbing

Itemize below for each drawing specific proposed changes. Attach additional sheets, if necessary.

Examiner Approval: [Signature]

150 x 4 = 32 (7150. value)
9 pass x 3 = 27
26 flat fee = 26
85.-

Reviewed For Code Compliance
S. Dale Baker
FL License # PX-1830

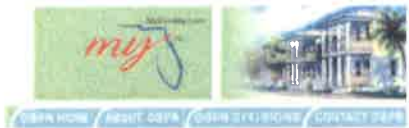
Date _____ Finalized/Inspected by: _____

Fee: \$ 85.-
Cash/Check #: ALEX Date Rec'd: 8-9-2018 Rec'd By: Sh
cc # 84001

To schedule an inspection please email your request to: BDscheduling@UniversalEngineering.com

117682

PAID



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Product Approval
USER: Public User

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 Application Detail



FL #	FL17845-R2
Application Type	Revision
Code Version	2017
Application Status	Approved
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
 Archived

Product Manufacturer	MI Windows and Doors
Address/Phone/Email	650 West Market Street Gratz, PA 17030 (717) 365-3300 Ext 2560 bsitlinger@miwd.com

Authorized Signature	Brent Sitlinger bsitlinger@miwd.com
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Technical Representative
 Address/Phone/Email

Quality Assurance Representative
 Address/Phone/Email

Reviewed For Code Compliance
S. Dale Baker
FL License # PX-1830

Category	Windows
Subcategory	Fixed

Compliance Method	Certification Mark or Listing
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Certification Agency	American Architectural Manufacturers Association
Validated By	Steven M. Urich, PE
	✓ Validation Checklist - Hardcopy Received

Referenced Standard and Year (of Standard)	<u>Standard</u>	<u>Year</u>
	AAMA/WDMA/CSA 101/I.S. 2/A440	2005
	AAMA/WDMA/CSA 101/I.S. 2/A440	2008

Equivalence of Product Standards
 Certified By

Product Approval Method	Method 1 Option A
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Date Submitted	03/02/2018
Date Validated	03/02/2018
Date Pending FBC Approval	
Date Approved	03/09/2018

Summary of Products

FL #	Model, Number or Name	Description
17845.1	3500 HP PW	72x60 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +75/-75 Other: FW-LC75. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_72x60_APC_Fin.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 72x60 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.2	3500 HP PW	81x63 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: FW-LC50. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_81x63_APC.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 81x63 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.3	3500 HP PW	96x60 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: CW-PG50. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_APC_Fin_96x60_B0971.pdf Quality Assurance Contract Expiration Date 06/16/2020 Installation Instructions FL17845_R2_II_Install - 3500HP FXD Fin 96x60 (B0971).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.4	3500 HP PW	96x72 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +55/-55 Other: FW-LC55. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_96x72_APC_Fin_and_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 96x72 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.5	3500 HP PW	72x60 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +70/-75 Other: FW-LC70		Certification Agency Certificate FL17845_R2_C_CAC_72x60_APC_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_08-01772A5.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512456A5.pdf Created by Independent Third Party: Yes
17845.6	3500 HP PW	96x60 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +60/-60 Other: FW-LC60		Certification Agency Certificate FL17845_R2_C_CAC_96x60_APC_Fin_and_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_08-01773A6.pdf Verified By: Luis R. Lomas, PE PE-62514

		FL17676 R6 AE 513015A 2269.pdf Created by Independent Third Party: Yes
17676.13	3540 SH	52x72 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: R-PG30		Certification Agency Certificate FL17676 R6 C CAC APC(10818)C7325.01-109-47 - 13.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676 R6 II 08-02270A 13.pdf Verified By: Luis R Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676 R6 AE 513016A 2270.pdf Created by Independent Third Party: Yes
17676.14	3540 SH	52x84 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +25/-25 Other: R-PG25		Certification Agency Certificate FL17676 R6 C CAC APC 3540 FLS 52x84.pdf Quality Assurance Contract Expiration Date 05/26/2020 Installation Instructions FL17676 R6 II 08-01514 512141.pdf Verified By: Luis R Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676 R6 AE 512141 3540 FLS 52x84.pdf Created by Independent Third Party: Yes
17676.15	3540 SH	48x72 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: R-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676 R6 C CAC APC A2726.01.pdf Quality Assurance Contract Expiration Date 07/20/2019 Installation Instructions FL17676 R6 II Install Instructs - 3540 SH FIN 48x72 (As Tested).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.16	3540 Triple SH	108x74 Fin Frame Triple CHS
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-50 Other: LC-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676 R6 C CAC APC(10817)C7327.01-109-47 - 16.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676 R6 II Install - 3540 SH CHS Fin 108x74.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.17	3540 Twin Single Hung	73x71 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-40 Other: R-PG35		Certification Agency Certificate FL17676 R6 C CAC APC F1902.01-109-47-R0 3540 SH.pdf Quality Assurance Contract Expiration Date 11/03/2020 Installation Instructions FL17676 R6 II 08-02997 - Anchor Clip.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676 R6 AE 513853.pdf Created by Independent Third Party: Yes

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Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Credit Card
Safe



		Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512457A6.pdf Created by Independent Third Party: Yes
17845.7	3500 HP PW	96x72 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +55/-55 Other: FW-LC55		Certification Agency Certificate FL17845_R2_C_CAC_96x72 APC Fin and Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_H_08-01774A7.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512458A7.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:



Credit Card
Safe



		FL17676 R6 AE 513015A 2269.pdf Created by Independent Third Party: Yes
17676.13	3540 SH	52x72 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: R-PG30		Certification Agency Certificate FL17676 R6 C CAC APC(10818)C7325.01-109-47 - 13.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676 R6 II 08-02270A 13.pdf Verified By: Luis R Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676 R6 AE 513016A 2270.pdf Created by Independent Third Party: Yes
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17676.15	3540 SH	48x72 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: R-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676 R6 C CAC APC A2726.01.pdf Quality Assurance Contract Expiration Date 07/20/2019 Installation Instructions FL17676 R6 II Install Instructs - 3540 SH FIN 48x72 (As Tested).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.16	3540 Triple SH	108x74 Fin Frame Triple CHS
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-50 Other: LC-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676 R6 C CAC APC(10817)C7327.01-109-47 - 16.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676 R6 II Install - 3540 SH CHS Fin 108x74.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.17	3540 Twin Single Hung	73x71 Finless Frame
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MAR 29 2018

Building Permit (Land Use) Application

DATE: 3/20/2018

PERMIT # 2018-04-001

PROJECT ADDRESS 6633 The Landings Drive, Belle Isle, FL 32809 X 32812

PROPERTY OWNER Rick Morgan PHONE 407-234-6355 VALUE OF WORK (labor & material) \$ 300,000.00

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

New single family residential construction

Please provide information, if applicable.

- SINGLE FAMILY RESIDENCE:** 6.5"x11" Plat Survey, Plot Plan of Home and Floor Plans of New Construction/Revision Required
- BOAT DOCK:** DEP Clearance Required with Application (Call 407-897-4100); please provide a copy of their report
- SEPTIC SYSTEM (RESIDENTIAL):** - Provide verification of OC Health Dept approval for on-site septic tank system, per FAC Chap. 64E-6
- Homeowners will be required to have a contractor on record for homes that are rented and/or not homestead

Please Complete for the City of Belle Isle Zoning Review: Parcel Id Number: 20-23-30-4980-00-320

To obtain this information, please visit <http://www.ocsefl.org/Searches/ParcelSearch.aspx>

SPECIAL CONDITIONS: STRUCTURES MAY NOT ENCRUMB INTO ANY EASEMENT OR REQUIRED SETBACK. Survey specific foundation plan required to show compliance with zoning setbacks. Note: this Zoning Approval MAY or MAY NOT be in conflict with your Deed Restrictions. For New Single Family Residential a Traffic Impact Plan and School Impact will be assessed.

ZONING APPROVED

Date: 4/13/18 By: [Signature]
 DATE City of Belle Isle

PLANNING & ZONING APPROVAL:

PLEASE COMPLETE for Building Review (min. of 2 sets of signed/sealed plans required)

CONSTRUCTION TYPE New single family residential construction

OCCUPANCY GROUP Comm Res: X Single Fam Multi Fam

#BLDG. 1 #UNITS 2 #STORIES 2 TOTAL SQ.FT. 2877

MAX. FLOOR LOAD _____ MAX. OCCUPANCY _____

MIN. FLOOD ELEV. FLOOD ZONE X LOW FLOOR ELEV. 85.80'

WATER SERVICE City WELL _____ Sprinkler only _____ SEPTIC NO

BUILDING REVIEWER [Signature] DATE 5-1-18

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE [Signature] DATE 5-2-18

Wind Exposure Category: B C D

SPRINKLERS REQ'D	Y	N	
If Required - SUBMIT COPY OF PLANS FOR FIRE REVIEW Date: Sent _____ RCD _____			
ZONING	<input checked="" type="radio"/>	<input type="radio"/>	\$ <u>165.</u>
CERT OF OCC	<input type="radio"/>	<input type="radio"/>	\$ _____
TRAFFIC	<input type="radio"/>	<input type="radio"/>	\$ _____
SCHOOL	<input type="radio"/>	<input type="radio"/>	\$ _____
FIRE	<input type="radio"/>	<input type="radio"/>	\$ _____
SWIMMING POOL	<input type="radio"/>	<input type="radio"/>	\$ _____
SCREEN ENCLOSURE	<input type="radio"/>	<input type="radio"/>	\$ _____
ROOFING	<input type="radio"/>	<input type="radio"/>	\$ _____
BOAT DOCK	<input type="radio"/>	<input type="radio"/>	\$ <u>1831.50</u>
BUILDING	<input checked="" type="radio"/>	<input type="radio"/>	\$ _____
WINDOW(S)	<input type="radio"/>	<input type="radio"/>	\$ _____
DOOR(S)	<input type="radio"/>	<input type="radio"/>	\$ _____
FENCE	<input type="radio"/>	<input type="radio"/>	\$ _____
SHED	<input type="radio"/>	<input type="radio"/>	\$ _____
DRIVEWAY	<input type="radio"/>	<input type="radio"/>	\$ _____
OTHER	<input type="radio"/>	<input type="radio"/>	\$ _____

DEMO of pre-existing home

1% BCAIB FEE 18.32
 1.5% DCA FEE 27.47
 TOTAL 2042.29

OTHER PERMITS REQUIRED:

ELECTRICAL	Y	NA
PREPOWER	Y	NA
MECHANICAL	Y	NA
PLUMBING	Y	NA
ROOFING	Y	NA
GAS	Y	NA

check 127.53
PAID
5-9-2018

Per FSS 105.3.3:

An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies."

Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

SEPARATE PERMITS ARE REQUIRED FOR ROOFING, ELECTRICAL, PLUMBING, GAS, AND MECHANICAL WORK.

1st LF 25
 299 x 4 1196
 1221 ÷ 2
 610.50

105039 & 109217 1831.50



Building Permit (Land Use) Application
 To be completed as required by State Statute Section 713 and other applicable sections.

PERMIT # 2018-04-001

Owner's Name Rick Morgan

Owner's Address 322 East Pine Street Orland FL 32801

Contractor Name <u>Jerel M Miller</u>	Company Name <u>J&J Building LLC</u>
License # <u>C6C1516262</u>	Company Address <u>848 Kingtree Lane</u>
Contact Phone/Cell <u>407-509-0370</u>	City, State, ZIP <u>Winter Garden FL, 34787</u>
Contact Email <u>jerrymjjbuilding@gmail.com</u>	Contact Fax <u>N/A</u>

WARNING TO OWNER: Your failure to record a Notice of Commencement may result in your paying twice for improvements to your property. A notice of commencement must be recorded if job is \$2500(+) or if A/C Replacement \$7500(+) and posted on the job site before the first inspection. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

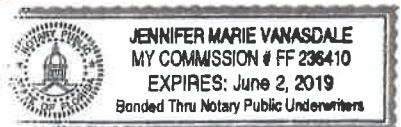
I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Division of Building Safety Regulations (www.floridabuilding.org) and City Ordinances (www.municode.com) regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable City and/or State of Florida codes and/or ordinances. Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for all other construction including ROOFING, ELECTRICAL, MECHANICAL, PLUMBING, GAS, SIGNS, POOLS, SCREEN ENCLOSURES, ETC.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

Owner Signature [Signature]
 The foregoing instrument was acknowledged before me this 3/27/18
 by Richard Morgan who is personally known to me
 and who produced _____
 as identification and who did not take an oath.
 Notary as to Owner Jennifer Marie Vanasdale
 State of Florida
 County of Orange



Contractor Signature [Signature]
 COMPANY NAME J+J BUILDING, LLC
 The foregoing instrument was acknowledged before me this 3/27/18
 by Jerel Miller who is personally known to me
 and who produced Jennifer Marie Vanasdale
 as identification and who did not take an oath.
 Notary as to Owner Jennifer Marie Vanasdale
 State of Florida
 County of Orange



Impervious Surface Ratio Worksheet
 Development Zoned A-1, A-2, R-1-AAA, R-1-AA, R-1-A, R-1 per City Code, Section 50-74: Impervious Surface Ratio

- Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).
 Total Lot Area 14311 SF X 0.35 = ?
 Allowable Impervious Area (BASE) 5009 SF
- Calculate the "proposed" impervious area on the lot. This includes the sum of all areas that do not allow direct percolation of rainwater. Examples include house, pool, deck, driveway, accessory building, etc.
 - House 2218 SF
 - Driveway 1213 SF
 - Walkway 147 SF
 - Accessory Buildings Porch 122 SF
 - Pool & Spa 537 SF
 - Deck & Patio 1713 SF
 - Other A/C 24 SF
 Actual Impervious Area (AIA) 5976 SF
- If AIA is less than BASE, subtract AIA from BASE to determine the amount of impervious area that may be added without providing onsite retention.
- If AIA is greater than BASE, then onsite retention must be provided.

Assuming 7.5 inches of rainfall based on a 24hr 10 year Rain Event (TP40), the formula is: (7.5 inches rainfall/12 inches p/foot) X (result from line 4) = cubic feet of storage volume needed

5976 + 84 for office revision
 = 6060

Summary of Products

FL #	Model, Number or Name	Description
17676.1	3540 SH	36x74 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-50 Other: LC-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC(11355)C7327.01-109-47 - 1.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676_R6_II_Install - 3540 SH 36 x74 Fin.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.2	3540 SH	36x84 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-50 Other: LC-PG40. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC 3540 Fin 36x84.pdf Quality Assurance Contract Expiration Date 07/27/2020 Installation Instructions FL17676_R6_II_Install - 3540 SH Fin 36x84.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.3	3540 SH	40x66 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-45 Other: R-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC A3485.01.pdf Quality Assurance Contract Expiration Date 08/26/2019 Installation Instructions FL17676_R6_II_Install - 3540 SH Fin 40x66.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.4	3540 SH	44x63 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-47 Other: R-PG40. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC 3540 Fin 44x63.pdf Quality Assurance Contract Expiration Date 05/26/2020 Installation Instructions FL17676_R6_II_Install - 3540 SH Fin 44x63.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.5	3540 SH	44x72 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-47 Other: R-PG35. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC 3540 Fin 44x72.pdf Quality Assurance Contract Expiration Date 08/01/2022 Installation Instructions FL17676_R6_II_Install - 3540 SH Fin 44x72.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17676.6	3540 SH	44x84 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: LC-PG30. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC(10816)C7324.01-109-47 - 6.pdf Quality Assurance Contract Expiration Date 04/12/2022 Installation Instructions FL17676_R6_II_Install - 3540 SH Fin 44x84.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party:

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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USER: Public User

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OFFICE OF THE SECRETARY

FL #	FL17676-R6
Application Type	Revision
Code Version	2017
Application Status	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
Archived

Product Manufacturer Address/Phone/Email	MI Windows and Doors 650 West Market Street Gratz, PA 17030 (717) 365-3300 Ext 2560 bsitlinger@miwd.com
---	---

Authorized Signature	Brent Sitlinger bsitlinger@miwd.com
----------------------	--

Reviewed For Code Compliance
S. Dale Baker
FL License # PX-1830

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category	Windows
Subcategory	Single Hung

Compliance Method	Certification Mark or Listing
-------------------	-------------------------------

Certification Agency Validated By	American Architectural Manufacturers Association Steven M. Urich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
--------------------------------------	---

Referenced Standard and Year (of Standard)	Standard AAMA/WDMA/CSA 101/I.S.2/A440	Year 2008
--	---	---------------------

Equivalence of Product Standards
Certified By

Product Approval Method	Method 1 Option A
-------------------------	-------------------

Date Submitted	08/23/2017
Date Validated	08/30/2017
Date Pending FBC Approval	
Date Approved	09/09/2017

		Evaluation Reports Created by Independent Third Party:
17676.7	3540 SH	52x84 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +25/-25 Other: R-PG25. Units must be glazed in accordance with ASTM E1300-04.		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_Fin_52x84.pdf Quality Assurance Contract Expiration Date 05/26/2020 Installation Instructions FL17676_R6_II_FL17676_R1_II_Install_-_3540_SH_Fin_52x84.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party:
		Evaluation Reports Created by Independent Third Party:
17676.8	3540 SH	36x74 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-50 Other: LC-PG35		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_FLS_36x74.pdf Quality Assurance Contract Expiration Date 08/28/2022 Installation Instructions FL17676_R6_II_08-01252B_7.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676_R6_AE_511854B_1252.pdf Created by Independent Third Party: Yes
17676.9	3540 SH	36x84 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-50 Other: LC-PG40		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_FLS_36x84.pdf Quality Assurance Contract Expiration Date 07/27/2020 Installation Instructions FL17676_R6_II_08-01372_511989.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676_R6_AE_511989_3540_FLS_36x84.pdf Created by Independent Third Party: Yes
17676.10	3540 SH	44x72 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-47 Other: LC-PG35		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_FLS_44x72.pdf Quality Assurance Contract Expiration Date 08/28/2022 Installation Instructions FL17676_R6_II_08-01247B_10.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676_R6_AE_511849B_1247.pdf Created by Independent Third Party: Yes
17676.11	3540 SH	48x96 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: LC-PG30		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_FLS_48x96.pdf Quality Assurance Contract Expiration Date 08/28/2022 Installation Instructions FL17676_R6_II_08-01371B_11.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17676_R6_AE_511988B_1371.pdf Created by Independent Third Party: Yes
17676.12	3540 SH	52x62 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: R-PG35		Certification Agency Certificate FL17676_R6_C_CAC_APC_3540_FLS_52x62.pdf Quality Assurance Contract Expiration Date 08/27/2022 Installation Instructions FL17676_R6_II_08-02269A_12.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports



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OFFICE OF THE SECRETARY

FL # FL21179-R2
 Application Type Revision
 Code Version 2017
 Application Status Approved
 *Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
 Archived

Product Manufacturer PGT Industries
 Address/Phone/Email 1070 Technology Drive
 North Venice, FL 34275
 (941) 486-0100 Ext 22318
 druark@pgtindustries.com

Authorized Signature Jens Rosowski
 jrosowski@pgtindustries.com

Technical Representative Jens Rosowski
 Address/Phone/Email 1070 Technology Drive
 Nokomis, FL 34275
 (941) 486-0100 Ext 21140
 jrosowski@pgtindustries.com

Reviewed For Code Compliance
S. Dale Baker
 FL License # PX-1830

Quality Assurance Representative
 Address/Phone/Email

Category Exterior Doors
 Subcategory Sliding Exterior Door Assemblies

Compliance Method Certification Mark or Listing

Certification Agency Keystone Certifications, Inc.
 Validated By Steven M. Urich, PE
 Validation Checklist - Hardcopy Received

Referenced Standard and Year (of Standard)	Standard	Year
	AAMA/WDMA/CSA 101/IS2/A440	2011
	ASTM E1886	2005
	ASTM E1996	2012

Equivalence of Product Standards Certified By

Product Approval Method Method 1 Option A

Date Submitted 11/15/2017

Date Validated 11/19/2017
 Date Pending FBC Approval
 Date Approved 11/21/2017

Summary of Products

FL #	Model, Number or Name	Description
21179.1	SGD-5470	Vinyl Sliding Glass Door (Non-Impact)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see installation instructions for design pressure, size and anchorage information.		Certification Agency Certificate FL21179_R2_C_CAC_SGD5470_Certification.pdf Quality Assurance Contract Expiration Date 11/11/2020 Installation Instructions FL21179_R2_II_SGD5470_InstallationF.pdf Verified By: A. Lynn Miller, P.E. 58705 Created by Independent Third Party: No Evaluation Reports FL21179_R2_AE_Prod Eval-SGD 5470.pdf Created by Independent Third Party: No
21179.2	SGD-5570	Vinyl Sliding Glass Door (Impact-Resistant)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see installation instructions for design pressure, size and anchorage information.		Certification Agency Certificate FL21179_R2_C_CAC_SGD5570_Certification.pdf Quality Assurance Contract Expiration Date 01/13/2020 Installation Instructions FL21179_R2_II_SGD5570_InstallationF.pdf Verified By: A. Lynn Miller, P.E. 58705 Created by Independent Third Party: No Evaluation Reports FL21179_R2_AE_Prod Eval-SGD 5570.pdf Created by Independent Third Party: No

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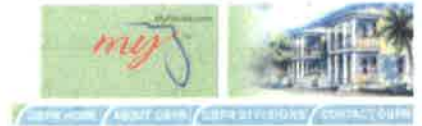
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FL #	FL17845-R2						
Application Type	Revision						
Code Version	2017						
Application Status	Approved						
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.						
Comments							
Archived							
Product Manufacturer	MI Windows and Doors						
Address/Phone/Email	650 West Market Street Gratz, PA 17030 (717) 365-3300 Ext 2560 bsitlinger@miwd.com						
Authorized Signature	Brent Sitlinger bsitlinger@miwd.com						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative							
Address/Phone/Email							
Category	Windows						
Subcategory	Fixed						
Compliance Method	Certification Mark or Listing						
Certification Agency	American Architectural Manufacturers Association						
Validated By	Steven M. Urich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received						
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA 101/I.S. 2/A440</td> <td>2005</td> </tr> <tr> <td>AAMA/WDMA/CSA 101/I.S. 2/A440</td> <td>2008</td> </tr> </tbody> </table>	Standard	Year	AAMA/WDMA/CSA 101/I.S. 2/A440	2005	AAMA/WDMA/CSA 101/I.S. 2/A440	2008
Standard	Year						
AAMA/WDMA/CSA 101/I.S. 2/A440	2005						
AAMA/WDMA/CSA 101/I.S. 2/A440	2008						
Equivalence of Product Standards Certified By							
Product Approval Method	Method 1 Option A						
Date Submitted	03/02/2018						
Date Validated	03/02/2018						
Date Pending FBC Approval							
Date Approved	03/09/2018						

Summary of Products

FL #	Model, Number or Name	Description
17845.1	3500 HP PW	72x60 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +75/-75 Other: FW-LC75. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_72x60_APC_Fin.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 72x60 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.2	3500 HP PW	81x63 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: FW-LC50. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_81x63_APC.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 81x63 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.3	3500 HP PW	96x60 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: CW-PG50. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_APC_Fin_96x60_B0971.pdf Quality Assurance Contract Expiration Date 06/16/2020 Installation Instructions FL17845_R2_II_Install - 3500HP FXD Fin 96x60 (B0971).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.4	3500 HP PW	96x72 Fin Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +55/-55 Other: FW-LC55. Windows must be glazed in accordance with ASTM E1300.		Certification Agency Certificate FL17845_R2_C_CAC_96x72_APC_Fin_and_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_Install - 3500HP Fxd Fin 96x72 (B9099).pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
17845.5	3500 HP PW	72x60 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +70/-75 Other: FW-LC70		Certification Agency Certificate FL17845_R2_C_CAC_72x60_APC_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_08-01772A5.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512456A5.pdf Created by Independent Third Party: Yes
17845.6	3500 HP PW	96x60 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +60/-60 Other: FW-LC60		Certification Agency Certificate FL17845_R2_C_CAC_96x60_APC_Fin_and_Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_08-01773A6.pdf Verified By: Luis R. Lomas, PE PE-62514

		Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512457A6.pdf Created by Independent Third Party: Yes
17845.7	3500 HP PW	96x72 Finless Frame
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +55/-55 Other: FW-LC55		Certification Agency Certificate FL17845_R2_C_CAC_96x72 APC Fin and Finless.pdf Quality Assurance Contract Expiration Date 04/30/2021 Installation Instructions FL17845_R2_II_08-01774A7.pdf Verified By: Luis R. Lomas, PE PE-62514 Created by Independent Third Party: Yes Evaluation Reports FL17845_R2_AE_512458A7.pdf Created by Independent Third Party: Yes

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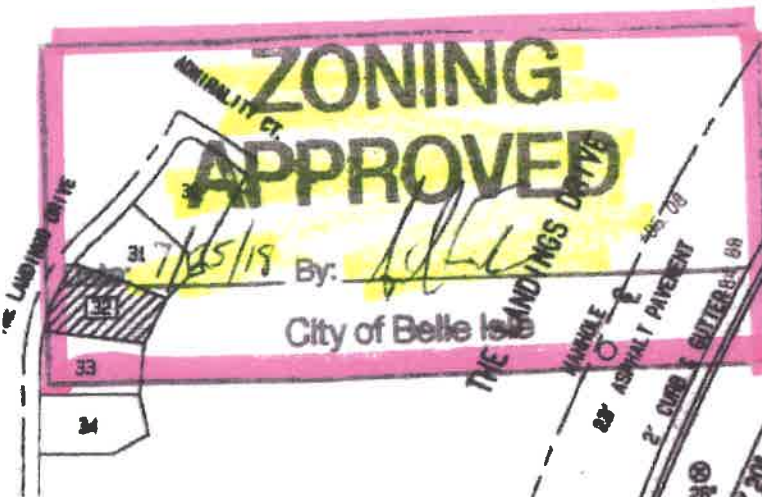
Product Approval Accepts:



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UP SITE/DRAINAGE PLAN
 DESCRIPTION:
 THE LANDINGS AT LAKE CONWAY,
 to the plat thereof as record-
 : Book 9, Pages 125 & 126 of
 : Records of Orange County.



COUNTRY LAKES DR.
 LOCATION SKETCH
 NOT TO SCALE

Reviewed For Code Compliance
 S. Dale Baker
 FL License # PX-1830

X
 ELEV: N/A
 SCD430 F
 DATE: 09/25/2009
 97' 0.329 ACRES OR 14912 & F.

SITE B.M. #2
 SET AND NO. I.D.
 ELEVATION +94.98'

REFLECTS ALL EMBLEMENTS &
 7 AS PER RECORDED PLAT & OR
 IDENT IF SUPPLIED. UNLESS
 STATED, NO OTHER TITLE VERIFICATION
 FURNISHED BY THE UNDERSIGNED.
 REENT * NOT PROVIDED

NOTES:

Certification of Authorization LB 7227
 Certification to date of field
 work & not signature data.
 Bearings shown are based on the
 Centerline of The Landings Drive & Lot
 33, S00°00'00"E, (Assumed Meridian).
 +95.1 indicates existing elevations.
 95.3 indicates proposed grades.
 Elevations per N.A.V.D. 1988.

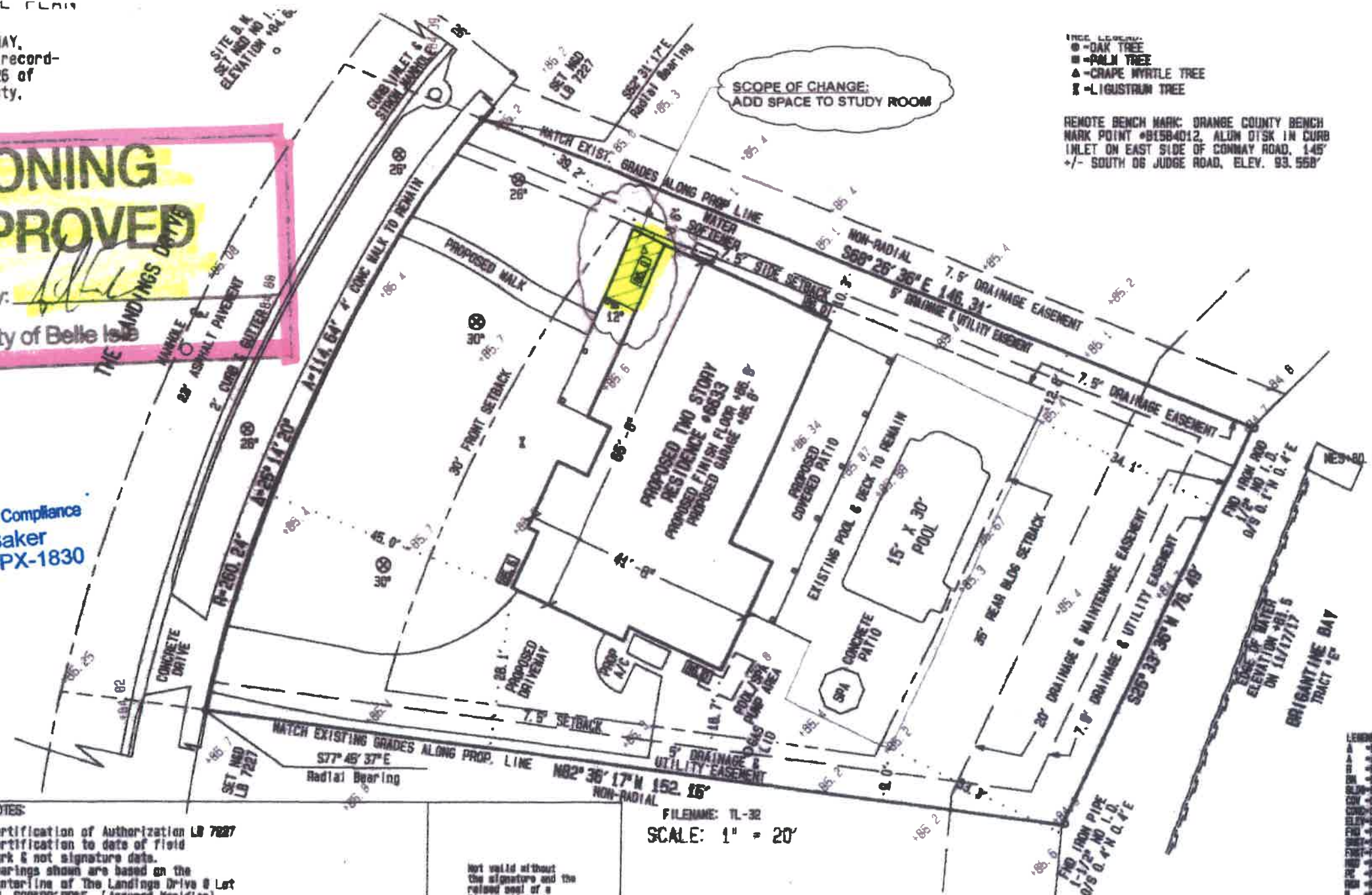
Not valid without
 the signature and the
 raised seal of a
 Florida licensed
 surveyor and sealer.

REVISIONS	DATE	FOR J&J BUILDING, LLC	DATE: 11/17/17	NO. 1715013	F.B. 114-58

HITT LAND SURVEYORS, INC.

318 SWEETWATER CREEK DRIVE N., LONGWOOD, FLORIDA, 32779, 407-772-0248 FAX 407-772-0248

LAND SURVEYS ○ SUBDIVISIONS ○ CONSTRUCTION SURVEYS



SCOPE OF CHANGE:
 ADD SPACE TO STUDY ROOM

- PLANT LEGEND:
 ○ - OAK TREE
 ■ - PALM TREE
 ▲ - CRAPE MYRTLE TREE
 ■ - LIGUSTRUM TREE

REMOTE BENCH MARK: ORANGE COUNTY BENCH
 MARK POINT #B15B4012, ALUM DTSK IN CURB
 INLET ON EAST SIDE OF CONWAY ROAD, 145'
 +/- SOUTH OF JUDGE ROAD, ELEV. 93.558'

FILENAME: TL-32
 SCALE: 1" = 20'

Jeffrey J Hitt

Digitally signed by Jeffrey J Hitt
 DN: cn=Jeffrey J Hitt, o=Hitt Land
 Surveyors, ou,
 email=hittmaster@cl.r.com, c=US
 Date: 2018.02.15 11:44:44 -05'00'

JEFFREY J. HITT PROFESSIONAL SURVEYOR & MAPPER NO. 4717 STATE OF FLORIDA

- LEGEND
 A - DELTA
 B - ARC LENGTH
 C - RADIAL
 D - BENCHMARK
 E - BUILDING
 F - COVERED
 G - CONCRETE
 H - ELEVATION
 I - FLOOR
 J - FRONT
 K - SET BACK
 L - HALL & BATH
 M - HALL & BATH
 N - POINT OF BEGINNING
 O - MEASURED
 P - OFFSET
 Q - CENTERLINE
 R - SQUARE FEET
 S - PROPERTY CORNER
 T - LAKE COUNTY
 U - BENCHMARK
 V - OFFICIAL RECORD
 W - PLAT BOOK
 X - CENTER LINE
 Y - WIRE FENCE
 Z - METAL FENCE
 AA - METAL FENCE
 AB - UTILITY EASEMENT

SERIES 5470, NON-IMPACT RESISTANT SLIDING GLASS DOOR INCLUDING POCKETS & 90°/135° CORNERS

GENERAL NOTES:

- 1) GLAZING TYPE OPTIONS: SEE GLAZING DETAILS ON SHEET 10.
- 2) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER TEST PRESSURE AND GLASS PER ASTM E1300.
- 3) ANCHORAGE: THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
- 4) SHUTTERS ARE REQUIRED PER FBC REQUIREMENTS, AS APPLICABLE.
- 5) INSTALLATION SCREWS & FRAME SPLICES TO BE SEALED WITH NARROW JOINT SEALANT.
- 6) REFERENCES (NOA'S): ELCO ULTRACON, CRETEFLEX & AGGREGATOR ANCHOR NOA'S, VISION EXTRUSION, LTD. WHITE RIGID PVC NOA, VE 1000 TAN 202 AND LIGHTER SHADES (NON-WHITE) RIGID PVC NOA AND BROWN COATED (PAINTED OR LAMINATED) WHITE RIGID PVC NOA
- REFERENCES (TEST REPORTS): FTL-6367, 6368, 6369, 6370, 6371 & 8545; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09;
- 7) DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FBC, AS APPLICABLE.
- 8) DRAWINGS DEPICT EXTERIOR-GLAZING, HOWEVER INTERIOR-GLAZING MAY BE SUBSTITUTED.
- 9) THE 5470 SERIES SLIDING GLASS DOOR MAY ALSO BE KNOWN AS THE 470 SERIES.

ANCHOR NOTES:

- 1) FOR CONCRETE/CMU SUBSTRATE APPLICATIONS, SEE TABLE A ON THIS SHEET FOR EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS.
- 2) FOR OTHER SUBSTRATE APPLICATIONS SEE TABLE A ON THIS SHEET.
- 3) WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. PROPERLY SECURED, 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SOLID CONCRETE OR CMU. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD & TO BE REVIEWED BY THE BUILDING OFFICIAL.
- 4) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MAX. 1/4" THICK & 3400 PSI MIN., (DONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

INSTRUCTIONS:

- 1) KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1 OR 2, DEPENDING ON THE REINFORCEMENT LEVEL DESIRED.
- 2) LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH IF YOUR EXACT SIZE IS NOT LISTED, ROUND UP TO THE NEXT GREATER LISTED WIDTH AND/OR HEIGHT.
- 3) CHOOSE WHICH ANCHOR GROUP (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE A, THIS SHEET, ALONG WITH THE CORRESPONDING SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
- 4) FROM THE DESIGN PRESSURE TABLES (TABLES 1 OR 2), VERIFY THAT THE OPENING'S REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
- 5) INSTALL AS PER THE GUIDELINES OF THIS SHEET-SET.
- 6) ADDITIONALLY, SEE THE EXAMPLE ON SHEET 9.

TABLE A:

Group	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment	
A	#12, steel SMS (G5) or 410 S.S. SMS, (min. 11 threads/in)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"	
			P-hook	9/16"	1-3/8"	
		Aluminum, 6063-T5* (0.125" min. thickness)	Head/Sill/Jamb	3/8"	1/8"	
			P-hook	3/8"	1/8"	
		Steel, A36* (0.060" min. thickness)	Head/Sill/Jamb	3/8"	0.060"	
			P-hook	3/8"	0.060"	
		Steel Stud, A653 Gr. 33* (0.071" min. thickness)	Head/Sill/Jamb	3/8"	0.071" (14 Ga.)	
			P-hook	3/8"	0.071" (14 Ga.)	
	1/4" Elco Ultracon	P.T. Southern Pine (SG=0.55)	Jamb	1"	1-3/8"	
			P-hook	1"	1-3/8"	
	1/4" Elco 410 S.S. CreteFlex	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"	
			P-hook	1"	1-3/8"	
B	#12, steel wood screw (G5)	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	9/16"	1-3/8"	
			P-hook	9/16"	1-3/8"	
C	1/4" Elco Ultracon	Concrete (min. 2.85 ksi)	P-hook	1"	1-3/8"	
			Head/Sill/Jamb	1-3/16"	1-3/8"	
			Jamb	1"	1-1/4"	
			P-hook	1"	1-1/4"	
	1/4" Elco 410 S.S. CreteFlex	UngROUTED CMU, (ASTM C-90)	Jamb	1-3/4"	1-1/4"	
			P-hook	1-3/4"	1-1/4"	
			Head/Sill/Jamb	1-3/16"	1-3/4"	
			P-hook	1"	1-3/4"	
	1/4" Elco 18-8 S.S. Aggre-Gator	Concrete (min. 2.22 ksi)	Head/Sill/Jamb	1-1/2"	1-3/8"	
			P-hook	1-1/2"	1-3/8"	
			Jamb	2"	1-1/4"	
			P-hook	2"	1-1/4"	
	P.T. Southern Pine (SG=0.55)	Head/Sill/Jamb	1"	1-3/8"		
			P-hook	1"	1-3/8"	
		1/4" Elco Ultracon	Concrete (min. 2.85 ksi)	Head/Sill/Jamb	2-1/2"	1-3/8"
					P-hook	2-1/2"
Jamb	2-1/2"			1-1/4"		
P-hook	2-1/2"			1-1/4"		
1/4" Elco 410 S.S. CreteFlex	Concrete (min. 3.35 ksi)	Head/Sill/Jamb	2-1/2"	1-3/4"		
			P-hook	2-1/2"	1-3/8"	
		Jamb	2-1/2"	1-1/4"		
		P-hook	2-1/2"	1-1/4"		

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE.

FOR STEEL STUDS, MIN. FU=45 KSI & MIN. FY=33 KSI.

"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

IMPACT RATING
NOT RATED FOR MISSILE IMPACT RESISTANCE

DESIGN PRESSURE RATING
SEE TABLES 1, 2 & B1, B2 ON SHEETS 7 & 8

Reviewed For Code Compliance
S. Dale Baker
FL License # PX-1830

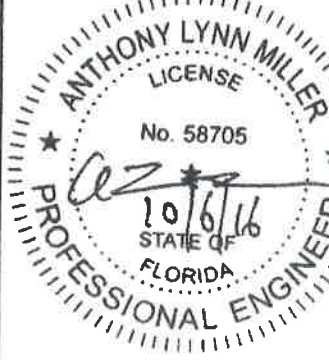
Nominal Panel Size		Design Pressure		Certification Numbers
Width	Height	(+) psf	(-) psf	
60"	96"	60	60	190-771
48"	120"	60	65	190-774
48"	96"	60	60	190-770
48"	96"	80	80	190-772

GENERAL NOTES..... 1
 EXAMPLE CONFIGS..... 2
 INSTALL DETAILS..... 3-6
 DP/ANCHOR TABLES..... 7-8
 EXAMPLE..... 9
 GLAZING DETAILS..... 10
 ANCHOR LOCATIONS..... 11-16
 PANEL TYPES..... 17
 EXTRUSIONS..... 18
 ACCESSORIES..... 19
 SCREEN DETAILS..... 20
 PARTS LIST..... 21
 FIN ADDON INSTALL..... 22-25

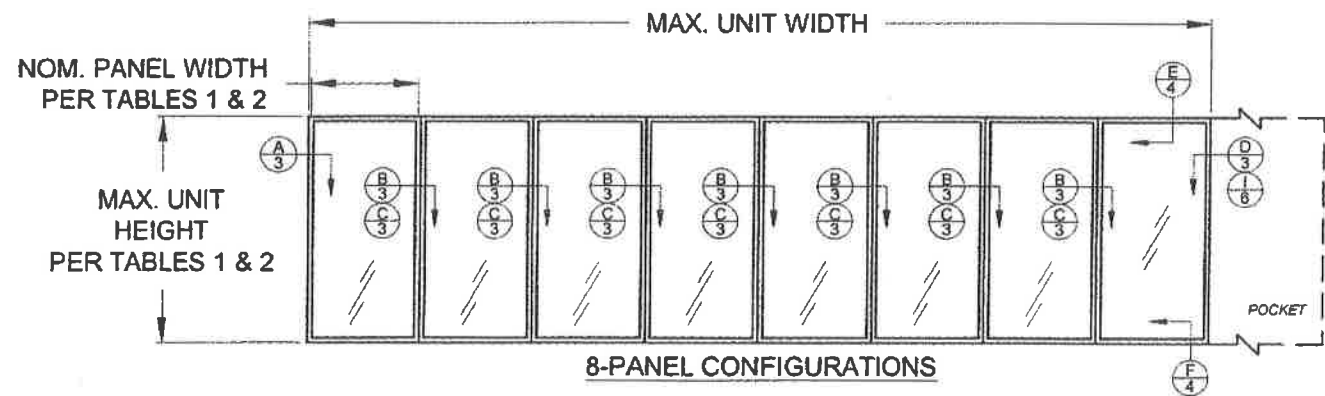
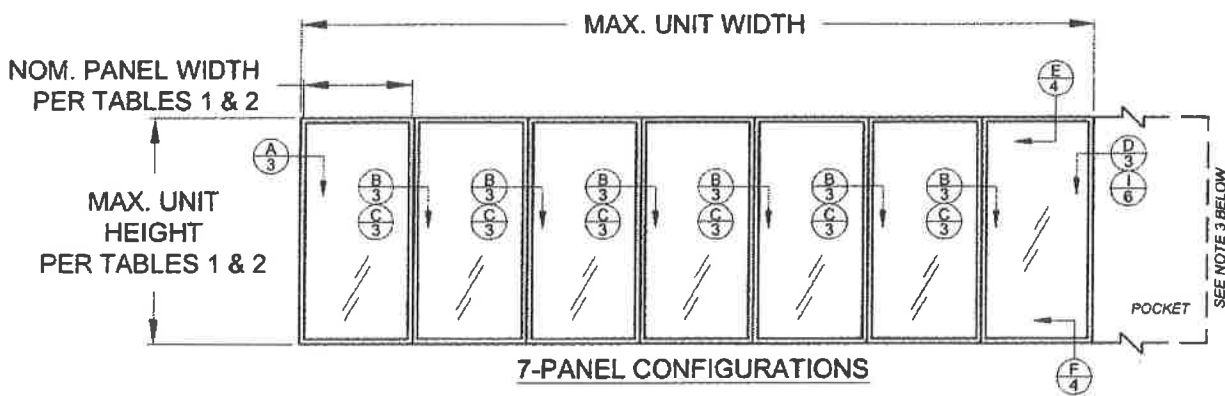
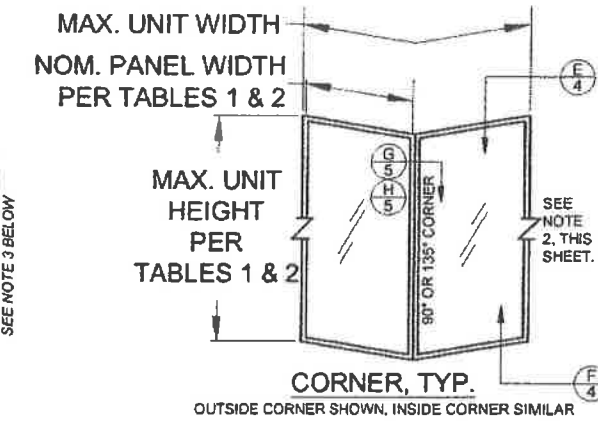
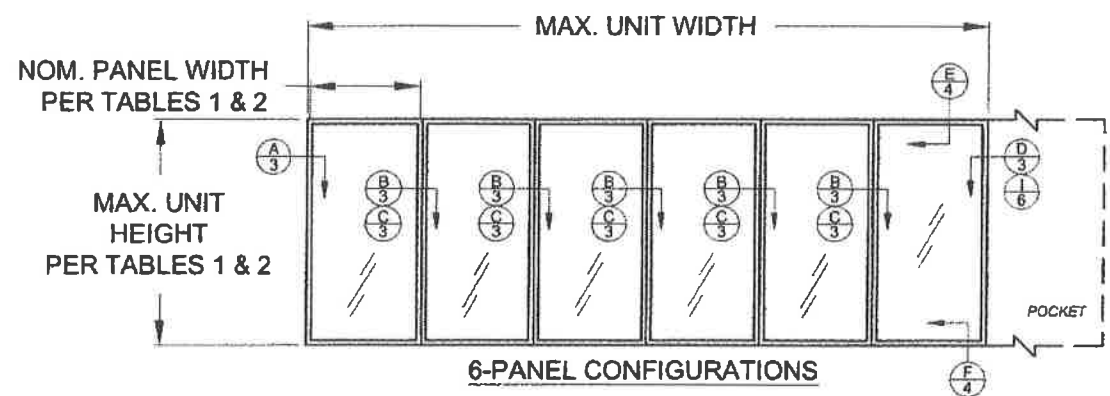
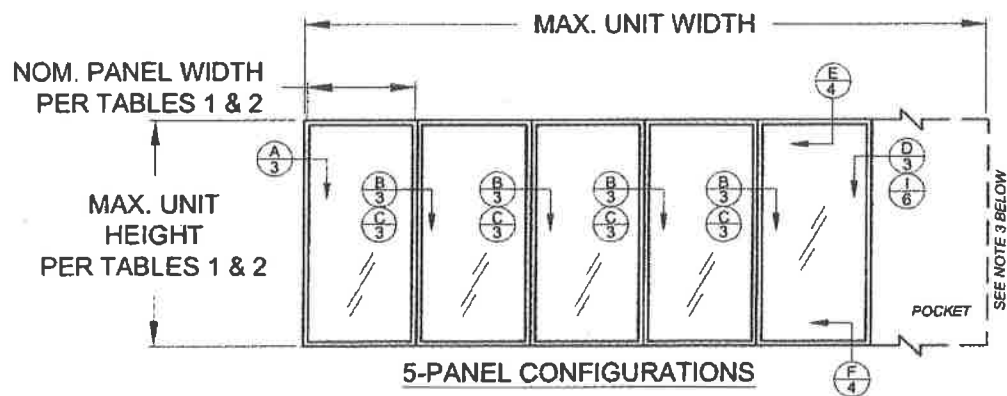
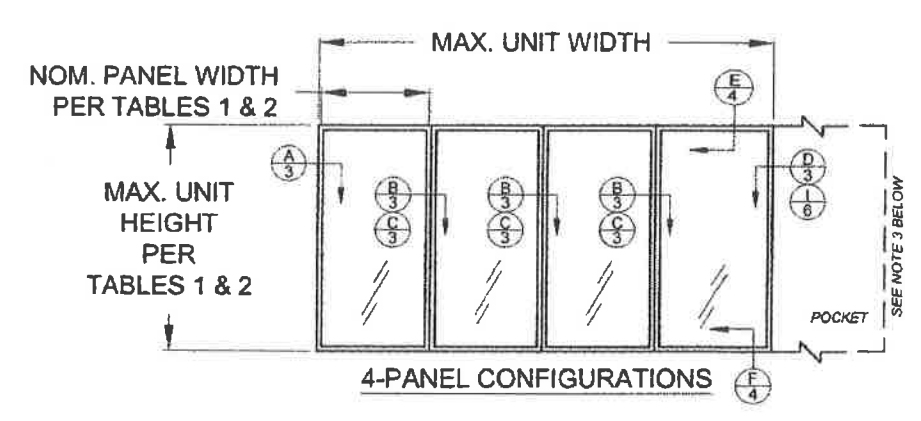
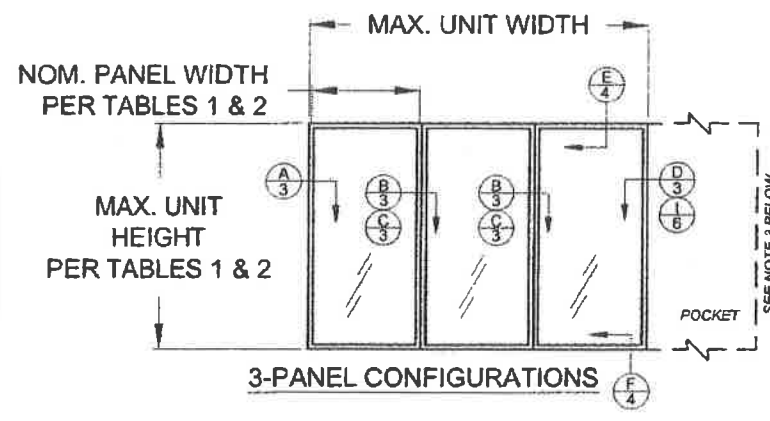
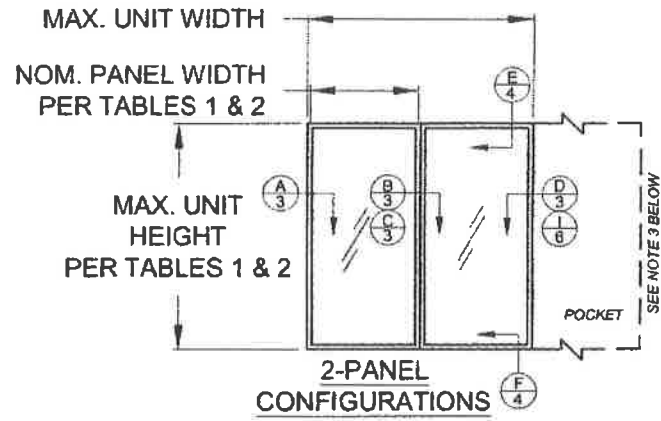
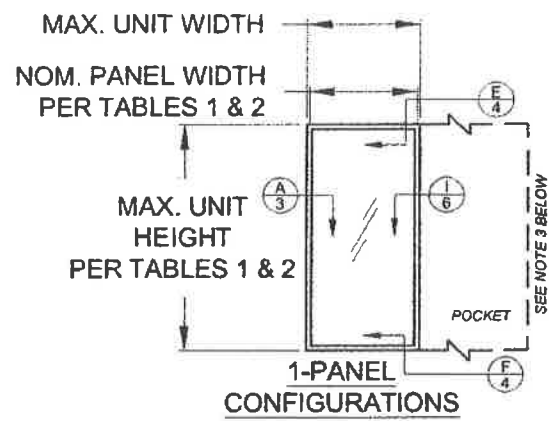


1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	Rev. A	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
Disc.		Drawn By	J ROSOWSKI		
Rev. B	Rev. A	Date			
Scale	NTS	Sheet	1 OF 25	DWG No.	FPA-SGD5470.2
Rev. No.					



A. LYNN MILLER, P.E.
P.E.# 58705



CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. **EXAMPLE:** 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS ARE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

4) FOR NOM. PANEL WIDTH, SEE TABLES 1 & 2.

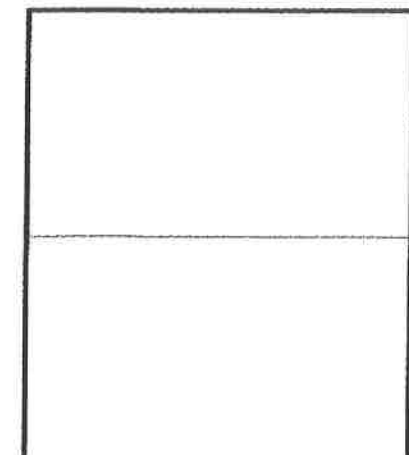
"X" = OPERABLE PANEL
 "O" = INOPERABLE PANEL
 "p" = POCKET

DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
 DLO HEIGHT = DOOR HEIGHT - 11-1/16"
 PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

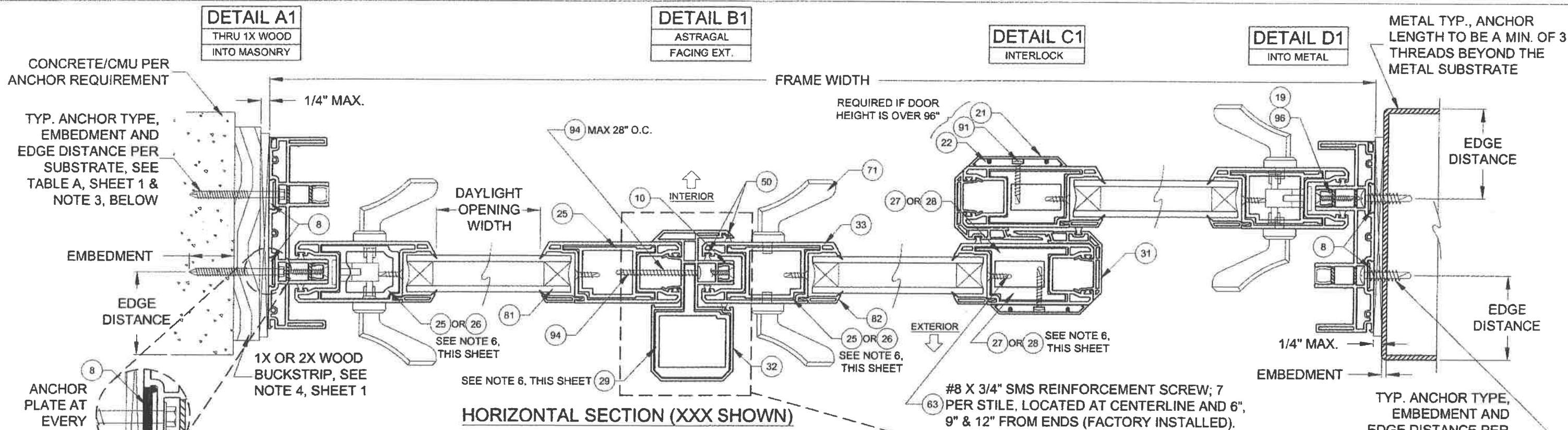
—DETAIL LETTER
 X
 # —SHEET NUMBER

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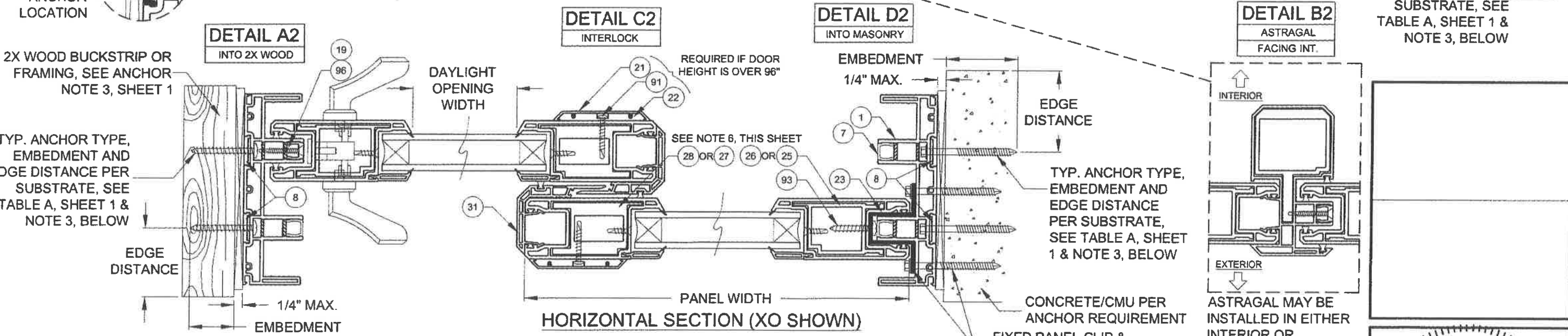
Series	SGD-5470	Scale	NTS	Sheet	2 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	EXAMPLE CONFIGURATIONS		Drawn By	J ROSOWSKI					
Rev A		Rev A	Date						
Rev B		Rev B	Date						



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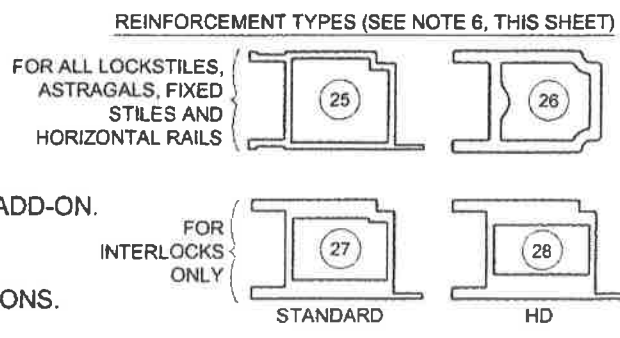


HORIZONTAL SECTION (XXX SHOWN)



HORIZONTAL SECTION (XO SHOWN)

- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 - 6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
 - 7) SEE SHEET 20 FOR SCREEN DETAILS.

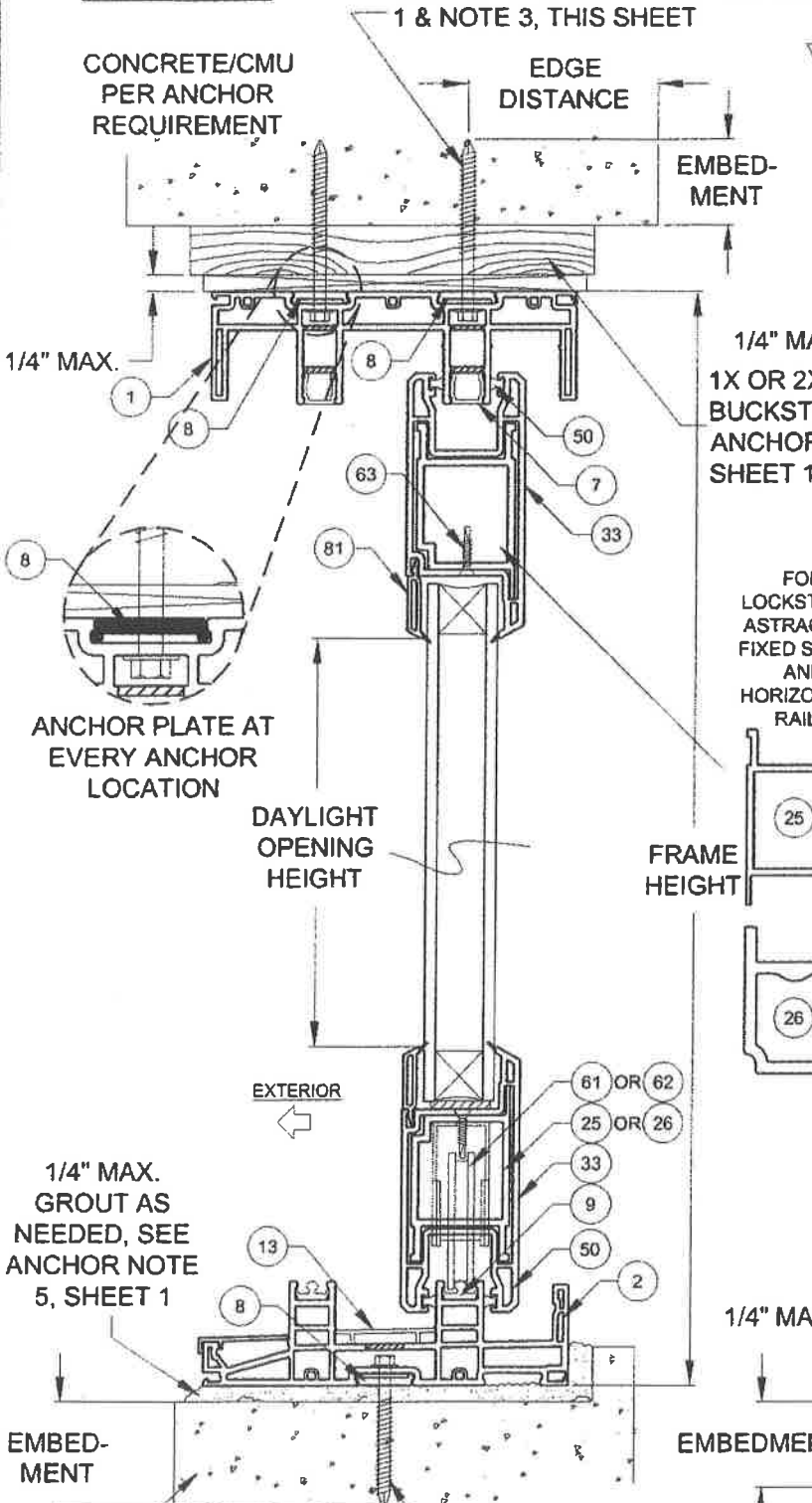


1070 TECHNOLOGY DRIVE
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Series	SGD-5470	Scale	NTS	Sheet	3 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	INSTALLATION, HORIZONTAL X-SECT.		Drawn By	J ROSOWSKI					
Rev A	Date	Rev B	Date						

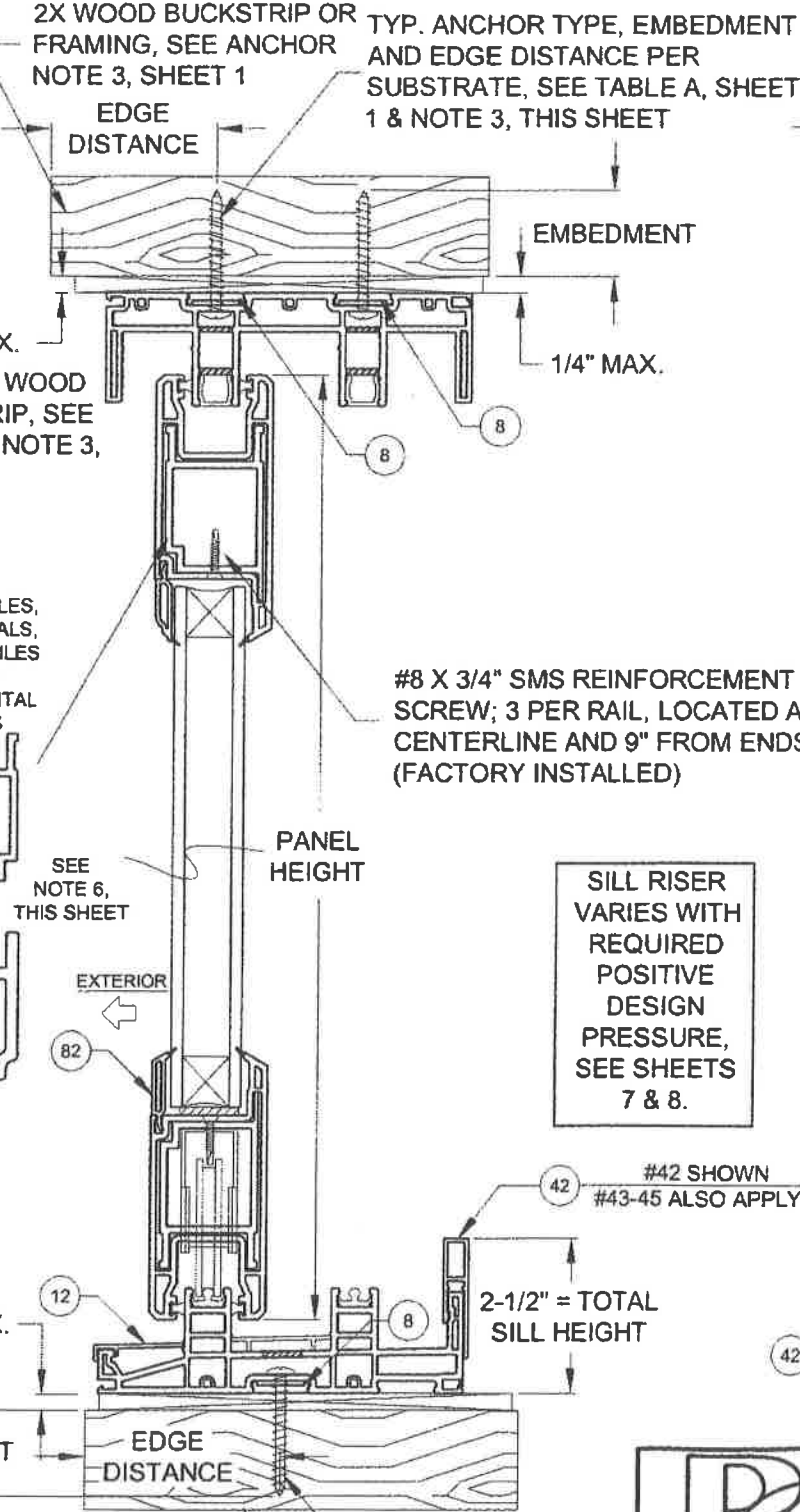
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LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

DETAIL E1
INTO MASONRY
1X BUCKSTRIP



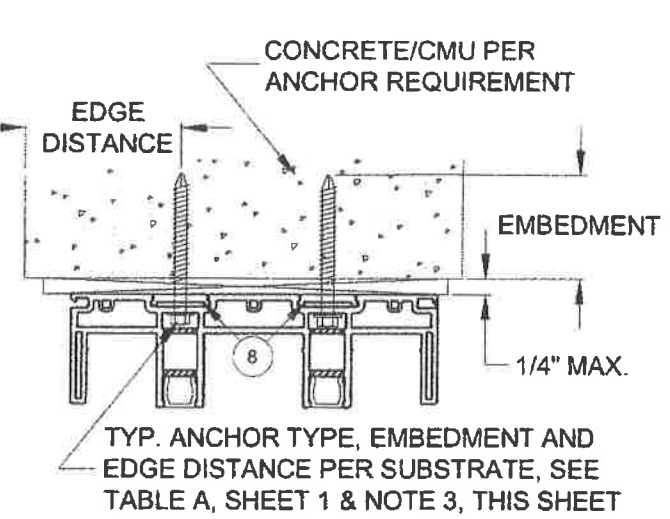
CONCRETE/CMU PER ANCHOR REQUIREMENT
EDGE DISTANCE
EMBEDMENT
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, THIS SHEET
DETAIL F1
INTO MASONRY

DETAIL E2
INTO WOOD



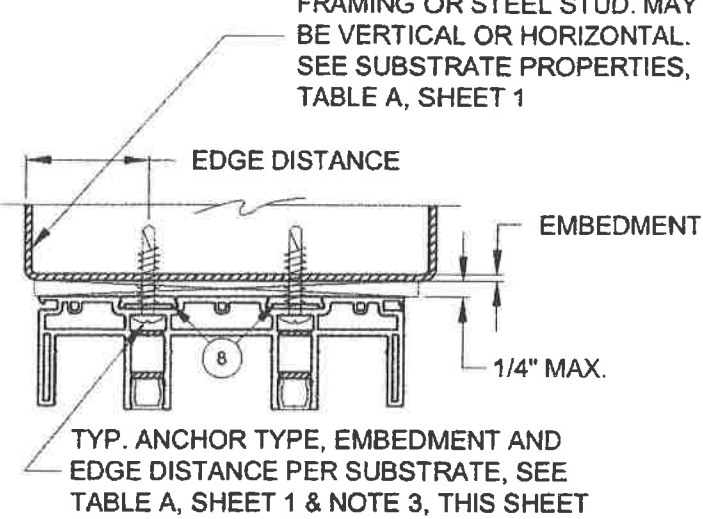
2X WOOD BUCKSTRIP OR FRAMING, SEE ANCHOR NOTE 3, SHEET 1
EDGE DISTANCE
EMBEDMENT
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, THIS SHEET
DETAIL F2
INTO WOOD

DETAIL E3
INTO MASONRY



CONCRETE/CMU PER ANCHOR REQUIREMENT
EDGE DISTANCE
EMBEDMENT
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, THIS SHEET

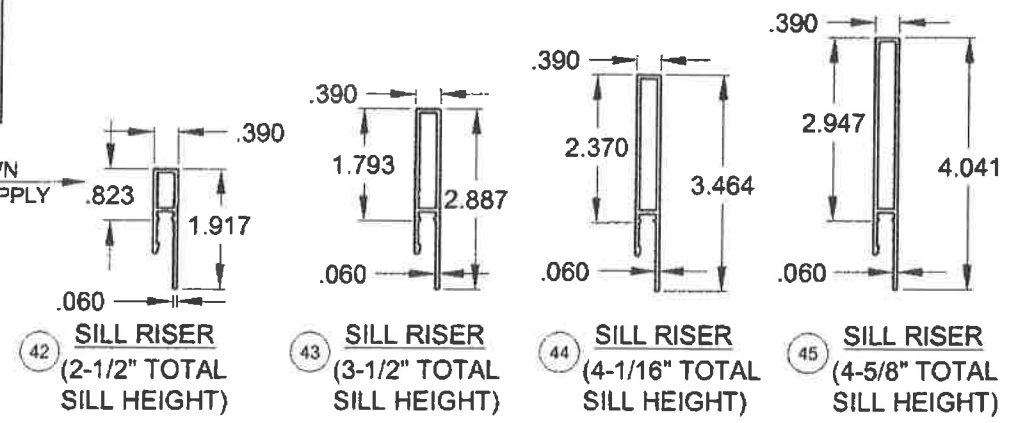
DETAIL E4
INTO METAL



MULLION, ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE A, SHEET 1
EDGE DISTANCE
EMBEDMENT
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE A, SHEET 1 & NOTE 3, THIS SHEET

- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEETS 11 & 12 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) SEE SHEET 20 FOR SCREEN DETAILS.
 - 6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

SILL RISER VARIES WITH REQUIRED POSITIVE DESIGN PRESSURE, SEE SHEETS 7 & 8.

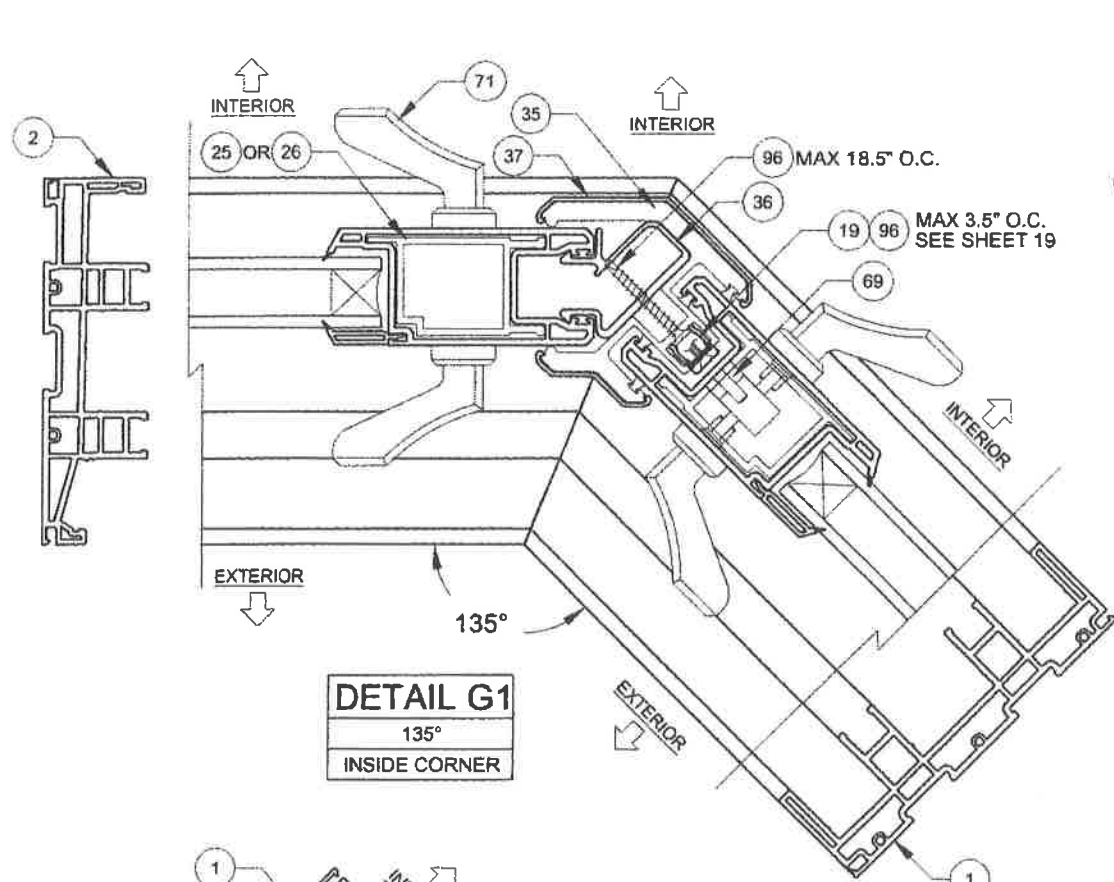


DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

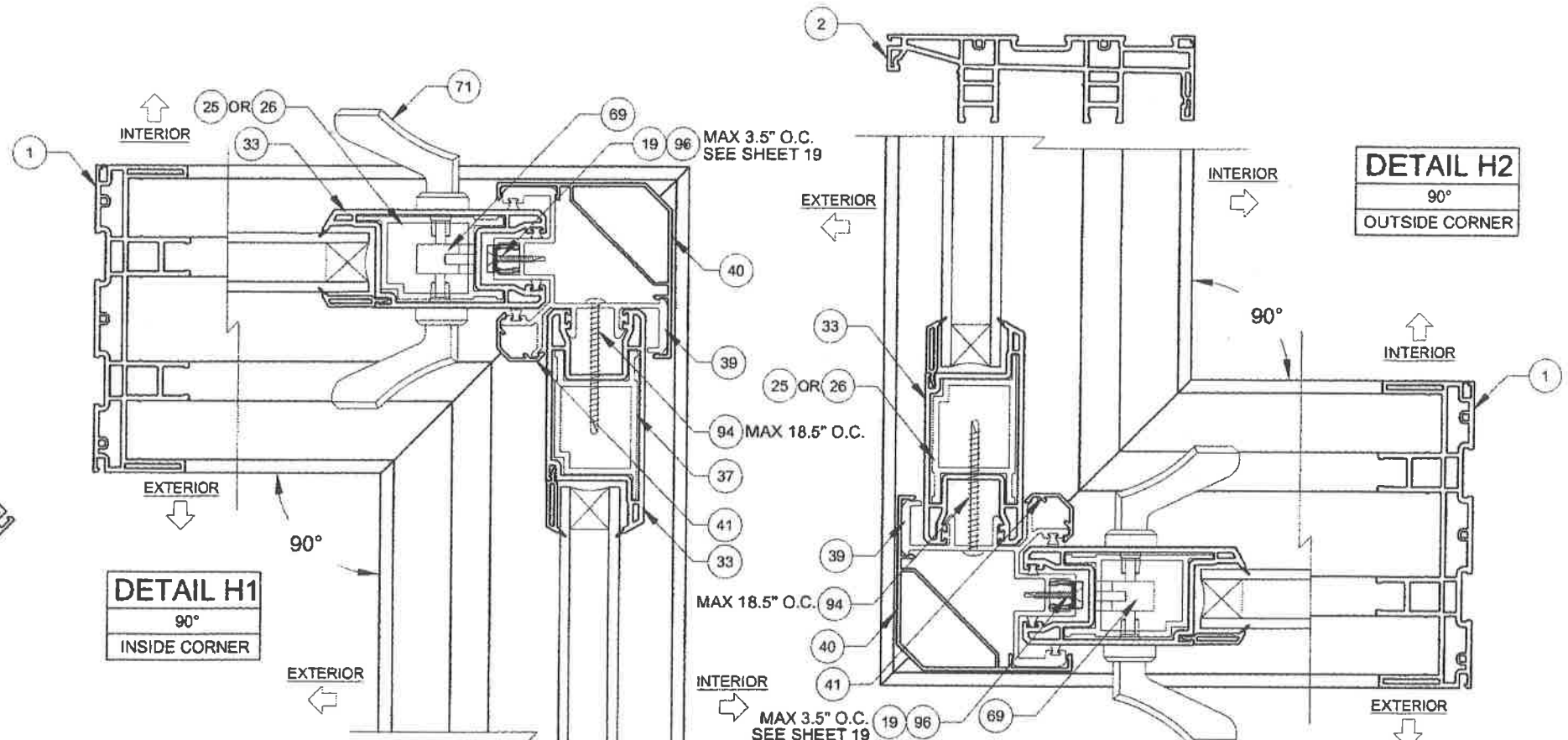
PGT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	SGD-5470	Scale	NTS	Sheet	4 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16		Drawn By	J ROSOWSKI		
Disc.	INSTALLATION, VERTICAL X-SECT.		Rev A Date			Rev B Date			

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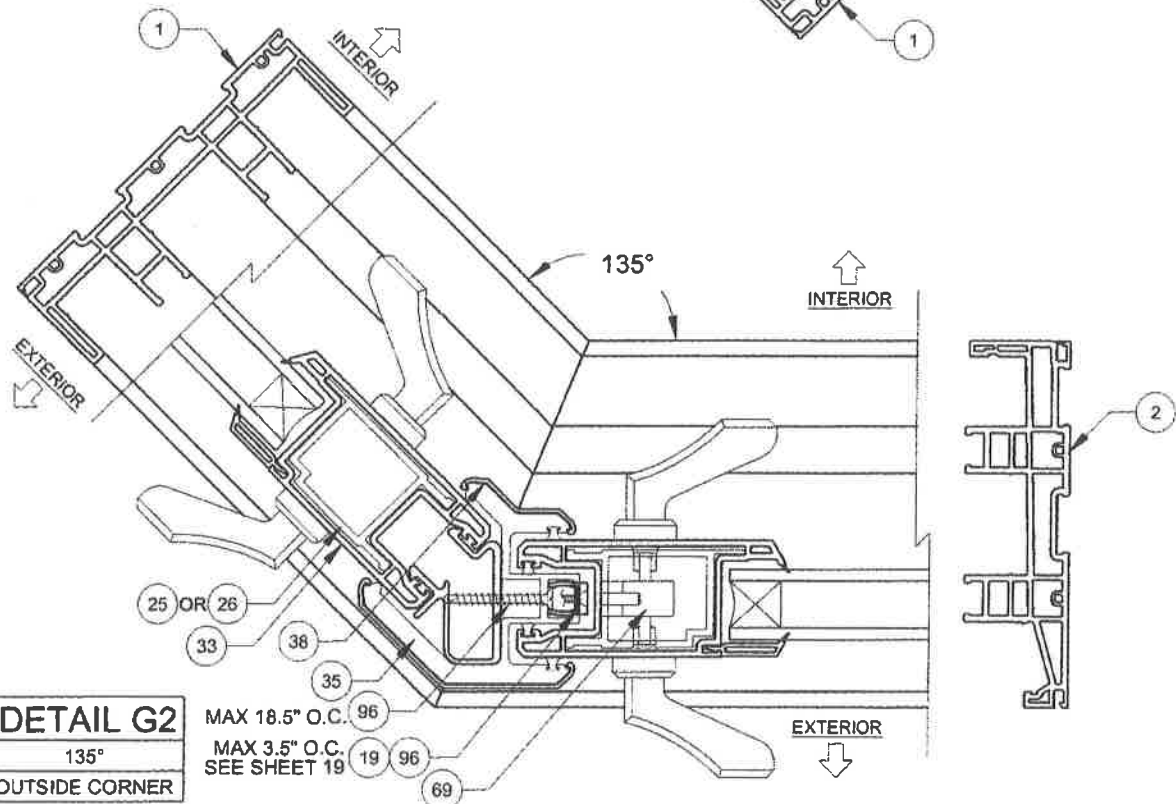


DETAIL G1
135°
INSIDE CORNER



DETAIL H1
90°
INSIDE CORNER

DETAIL H2
90°
OUTSIDE CORNER



DETAIL G2
135°
OUTSIDE CORNER

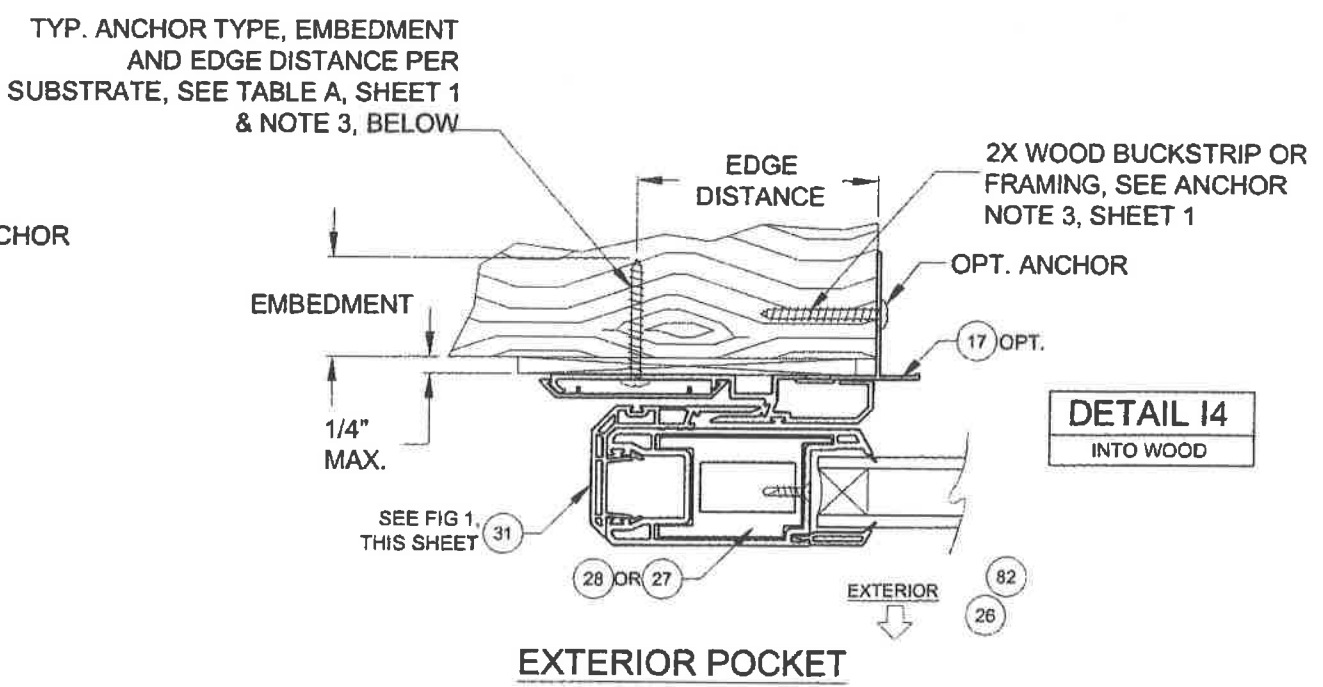
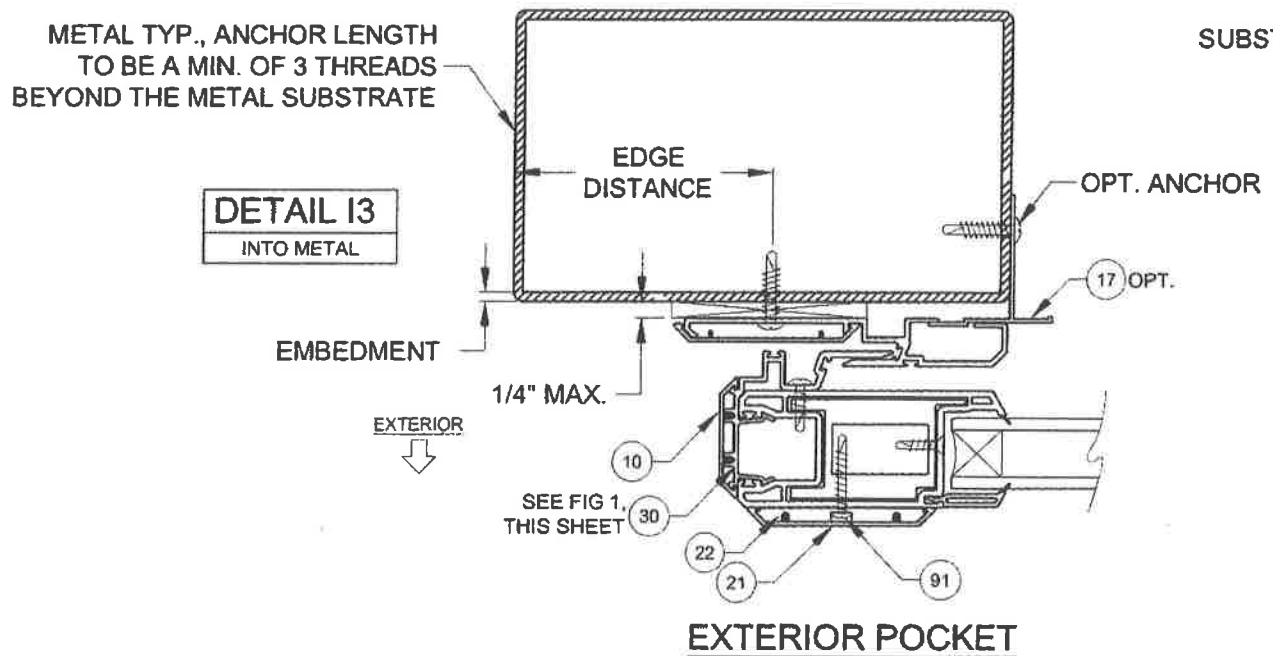
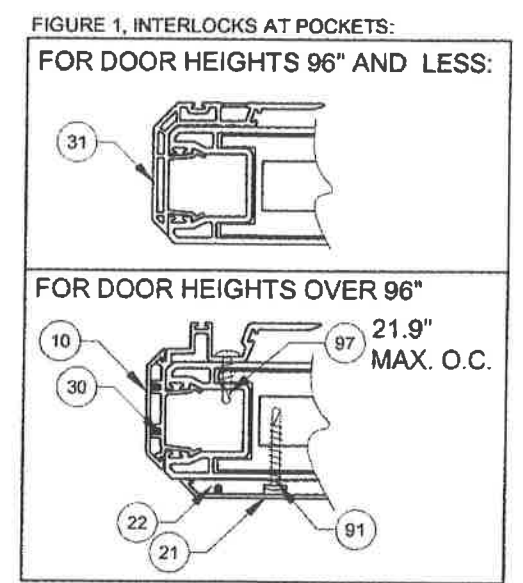
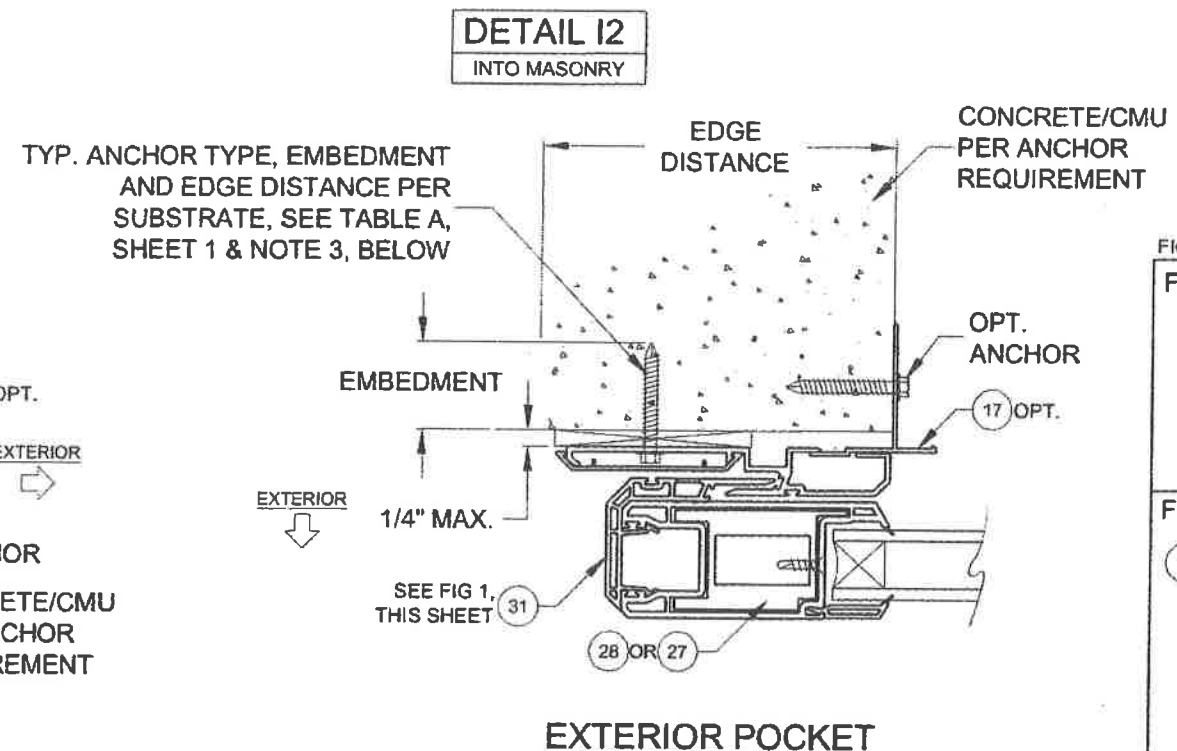
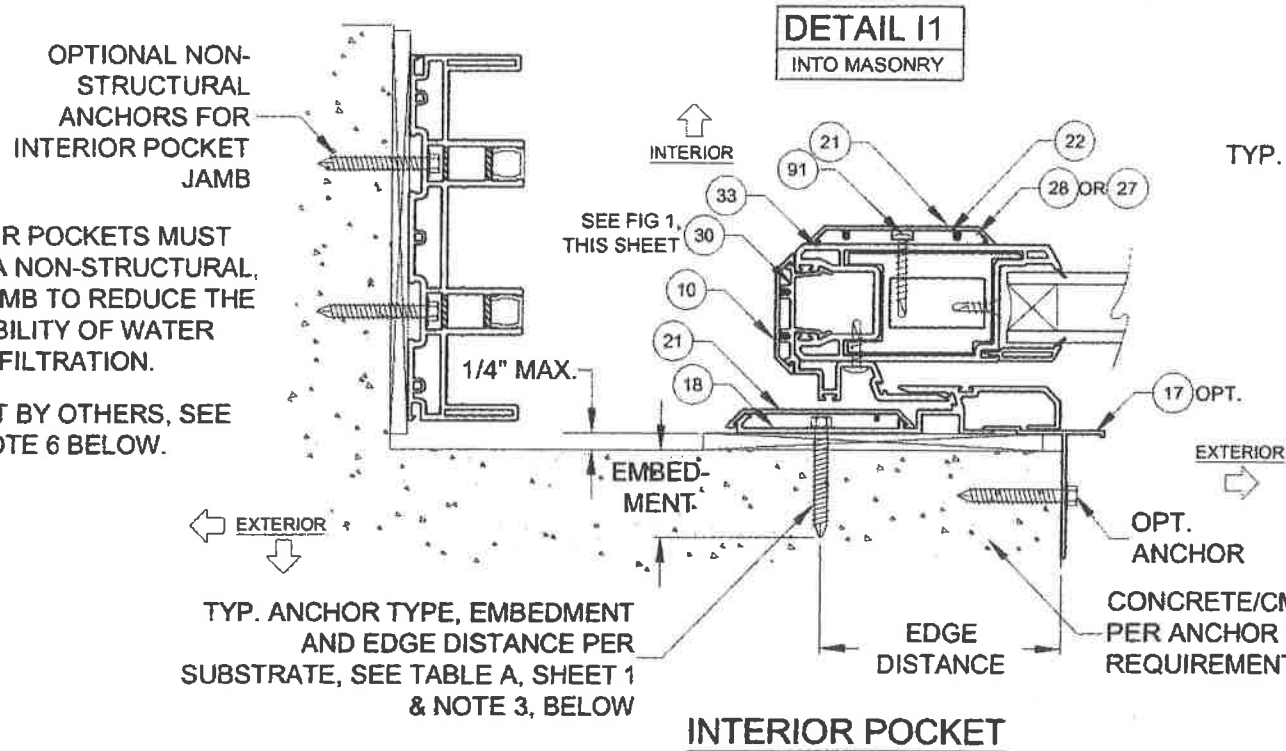
MAX 18.5" O.C. 96
MAX 3.5" O.C. SEE SHEET 19 19 96

- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) SEE SHEETS 14 & 15 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 3) CORNER ASTRAGAL MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

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Series	SGD-5470	Scale	NTS	Sheet	5 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Desc.	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Rev A	CORNER ASTRAGAL HORIZ. X-SECT.		Drawn By	J ROSOWSKI					
Rev B			Rev A Date						

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



- NOTES**
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) REFER TO ANCHOR NOTES, SHEET 1.
 - 3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
 - 4) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
 - 5) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS.
 - 6) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

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Series	SGD-5470	Scale	NTS	Sheet	6 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	P-HOOK EXAMPLES, HORIZ. X-SECT.		Drawn By	J ROSOWSKI					
Rev A		Rev A	Date						
Rev B		Rev B	Date						

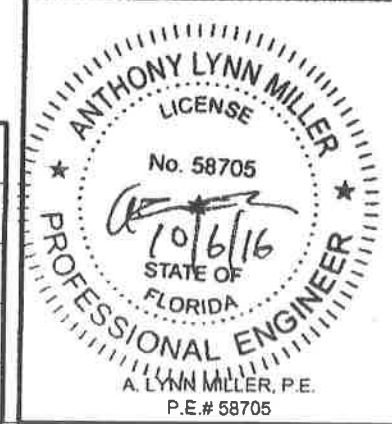


TABLE 1:

Design Pressure (DP) and Anchor Quantities Required														
Use this table for: Astragal Reinforcement #29 Lockstile Reinforcement #25 or #26 Std. Interlock Reinforcement #27		Door Unit Height												
		80"				84"				96"				
		68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				
		Anchor Group				Anchor Group				Anchor Group				
		A	B	C	D	A	B	C	D	A	B	C	D	
Nominal Panel Width	24"	19-1/8" DLO Width	Design Pressure +60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	30"	25-1/8" DLO	Design Pressure +60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
	36"	31-1/8" DLO Width	Design Pressure +60 / -60 psf				+60 / -60 psf				+60 / -60 psf			
		Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Jamb	5	5	5	5	5	5	5	5	5	5	5	5
		P-hook	7	7	7	7	7	7	7	7	8	8	8	8
42"	37-1/8" DLO Width	Design Pressure +60 / -60 psf				+60 / -60 psf				+60 / -60 psf				
	Head/Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	
48"	43-1/8" DLO Width	Design Pressure +60 / -60 psf				+60 / -60 psf				+60 / -60 psf				
	Head/Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1	
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5	
	P-hook	7	7	7	7	7	7	7	7	8	8	8	8	

USED IN EXAMPLE ON SHEET 9

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B1, THIS SHEET.

OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

TABLE B1:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+80.0 psf
45	4-5/8"	+100.0 psf

FIG 1:

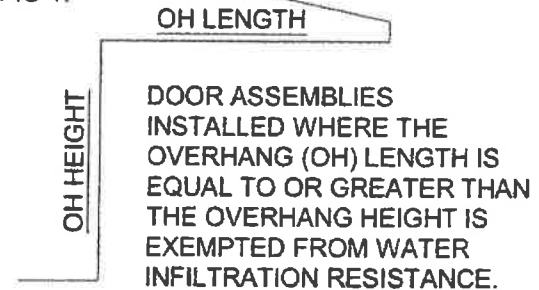


TABLE NOTES:

- 1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 1 AND TABLE B1 DETERMINES THE WATER LIMITED (+) DP.
- 2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED; OTHERWISE, +DP'S SHOWN IN TABLE 1 MAY BE USED.
- 3) SEE SILL RISER TYPES ON SHEET 4.
- 4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 5) REFER TO ANCHOR NOTES, SHEET 1.
- 6) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING

DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

1070 TECHNOLOGY DRIVE
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Series	Rev B Rev A	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
		DP & ANCHOR QUANTITY TABLE	Drawn By	J ROSOWSKI	
			Rev A Date		
			Rev B Date		
SGD-5470	Scale	NTS	Sheet	7 OF 25	DWG No. FPA-SGD5470.2
			Rev. No.		

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TABLE 2:

Design Pressure (DP) and Anchor Quantities Required

Use this table for: Astragal Reinforcement #29 Lockstile Reinforcement #25 HD Interlock Reinforcement #28			Door Unit Height																			
			80"				84"				96"				108"				120"			
			68-15/16" DLO Height				72-15/16" DLO Height				84-15/16" DLO Height				96-15/16" DLO Height				108-15/16" DLO Height			
			Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Nominal Panel Width	24"	19-1/8" DLO Width	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+60 / -65 psf			
		Design Pressure	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
		Head/Sill	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
		Jamb	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	P-hook																					
	30"	25-1/8" DLO	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+60 / -65 psf			
		Design Pressure	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
		Head/Sill	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
		Jamb	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10
	P-hook																					
	36"	31-1/8" DLO Width	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+60 / -65 psf			
		Design Pressure	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C3+1	C3+1	C5+1	C3+1	C3+1	C3+1
Head/Sill		5	5	5	5	5	5	5	5	5	5	6	5	6	6	6	6	6	6	6	6	
Jamb		7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	
P-hook																						
42"	37-1/8" DLO Width	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+60 / -65 psf				
	Design Pressure	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1	C5+2	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C3+1	C5+1	C5+1	C5+1	C3+1	
	Head/Sill	5	5	5	5	5	5	6	5	5	5	7	5	6	6	6	6	6	6	7	6	
	Jamb	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	
P-hook																						
48"	43-1/8" DLO Width	+80 / -80 psf				+80 / -80 psf				+80 / -80 psf				+60 / -65 psf				+60 / -65 psf				
	Design Pressure	C5+2	C3+2	C5+2	C3+1	C5+2	C3+2	C5+2	C3+1	C5+2	C5+2	C5+2	C3+1	C5+2	C3+1	C5+2	C3+1	C5+2	C5+1	C5+2	C3+1	
	Head/Sill	5	5	6	5	5	5	6	5	5	5	7	5	6	6	7	6	6	6	8	6	
	Jamb	7	7	7	7	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	
P-hook																						
54"	49-1/8" DLO Width	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf				Not available in these sizes								
	Design Pressure	C3+2	C3+1	C3+2	C3+1	C3+2	C3+1	C3+2	C3+1	C5+2	C3+1	C5+2	C3+1									
	Head/Sill	5	5	5	5	5	5	5	5	5	5	6	5									
	Jamb	7	7	7	7	7	7	7	7	8	8	8	8									
P-hook																						
60"	55-1/8" DLO Width	+60 / -60 psf				+60 / -60 psf				+60 / -60 psf				Not available in these sizes								
	Design Pressure	C3+2	C3+2	C3+2	C3+1	C5+2	C3+2	C3+2	C3+1	C5+2	C3+2	C5+2	C3+1									
	Head/Sill	5	5	5	5	5	5	5	5	5	5	6	5									
	Jamb	7	7	7	7	7	7	7	7	8	8	8	8									
P-hook																						

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE A, SHEET 1 FOR COMPLETE ANCHOR LIMITATIONS.

THE MAXIMUM DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM POSITIVE DP DUE TO THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE B2, THIS SHEET.

OF ANCHORS THROUGH THE HEAD & SILL. (EX: FOR C3+1, 3 ANCHORS CLUSTERED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

TOTAL # OF ANCHORS THROUGH THE JAMB.

THE # OF ANCHORS REQUIRED THROUGH THE P-HOOK, PERPENDICULAR TO THE GLASS.

FIG 1:

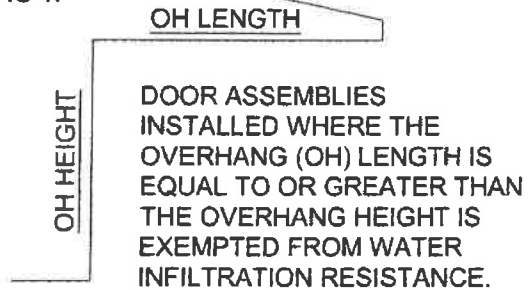


TABLE B2:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note 2
42	2-1/2"	+38.7 psf
43	3-1/2"	+60.0 psf
44	4-1/16"	+80.0 psf
45	4-5/8"	+100.0 psf

DLO WIDTH = NOM. PANEL WIDTH - 8-9/16"
DLO HEIGHT = DOOR HEIGHT - 11-1/16"
PANEL HEIGHT = DOOR HEIGHT - 2-1/2"

TABLE NOTES:

- 1) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 2 AND TABLE B2 DETERMINES THE WATER LIMITED (+) DP.
- 2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED; OTHERWISE, +DP'S SHOWN IN TABLE 2 MAY BE USED.
- 3) SEE SILL RISER TYPES ON SHEET 4.
- 4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 5) REFER TO ANCHOR NOTES, SHEET 1.
- 6) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING

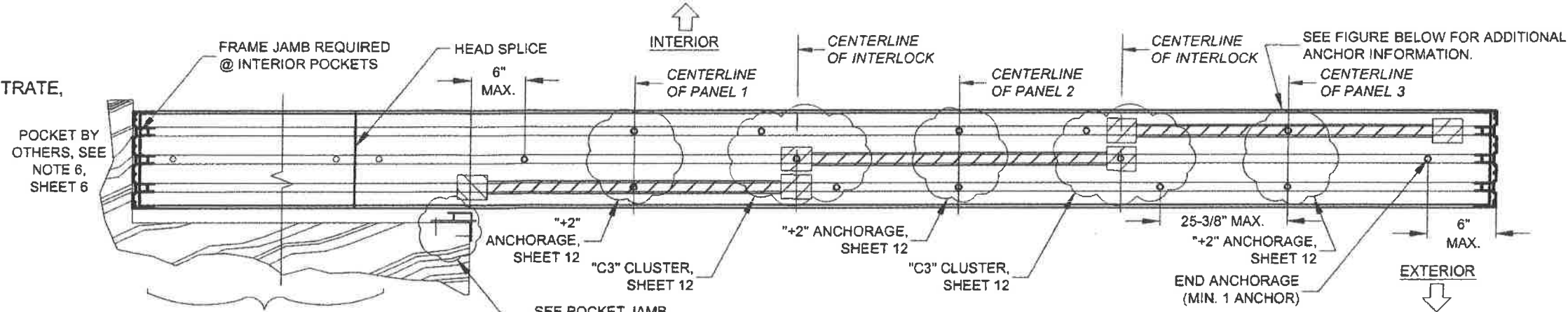
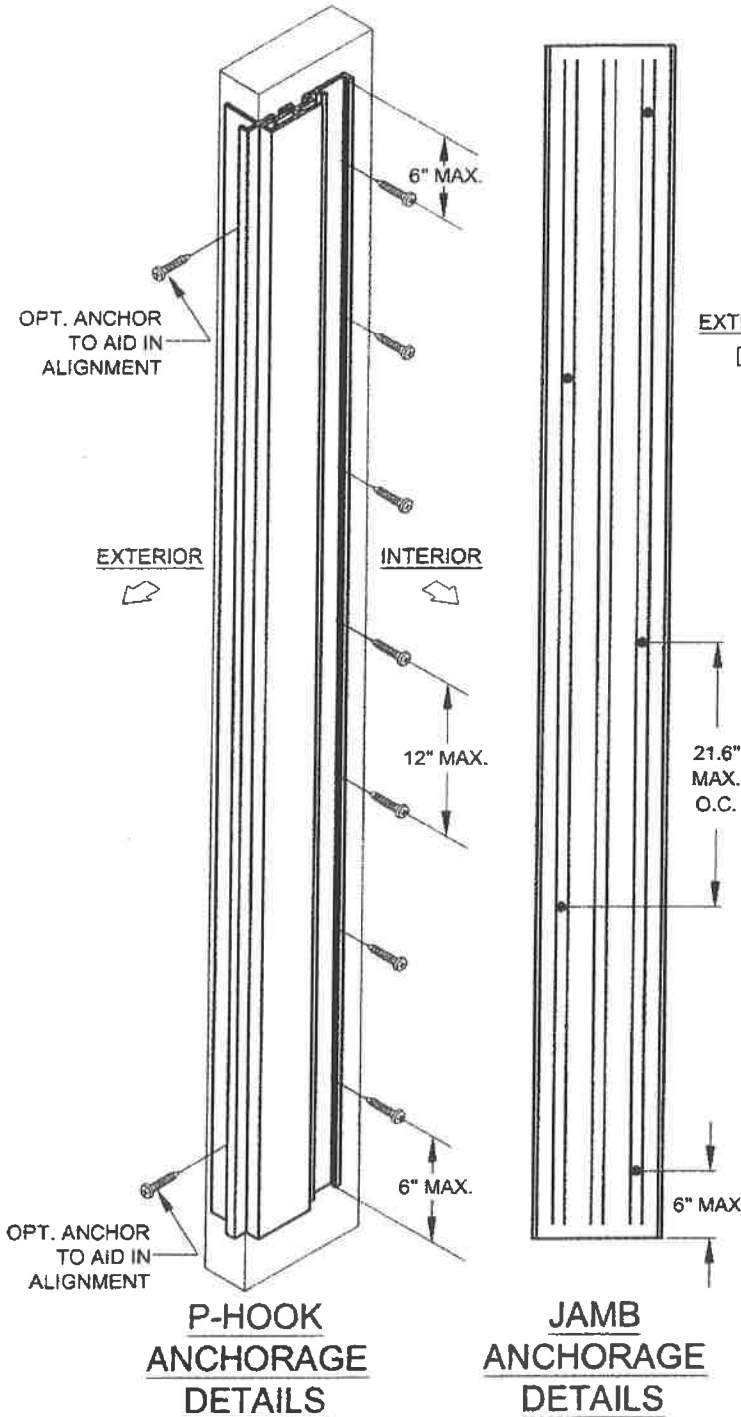
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Series	Rev	Rev A	Desc	Title	Date
			VINYL SLIDING GLASS DOOR FPA		3/24/16
			DP & ANCHOR QUANTITY TABLE	Drawn By	J ROSOWSKI
				Rev B	Rev A
				Date	Date
SGD-5470	Scale	NTS	Sheet	8 OF 25	DWG No.
					FPA-SGD5470.2

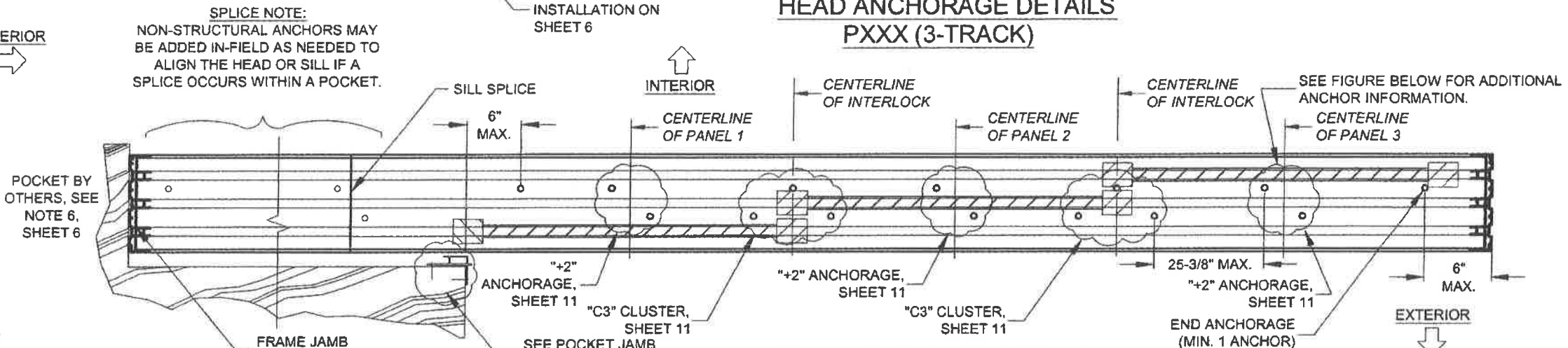
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10/6/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER
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P.E.# 58705

EXAMPLE:

3-PANEL, 3 TRACK, STRAIGHT CONFIGURATION - PXXX,
 INTERIOR MOUNT POCKET, 48" X 84" NOM. PANELS,
 LAMINATED, IG GLAZING, ANCHOR GROUP A IN WOOD SUBSTRATE,
 PROJECT DESIGN PRESSURE REQUIRED: +48.2/-58.6 PSF



**HEAD ANCHORAGE DETAILS
 PXXX (3-TRACK)**



**SILL ANCHORAGE DETAILS
 PXXX (3-TRACK)**

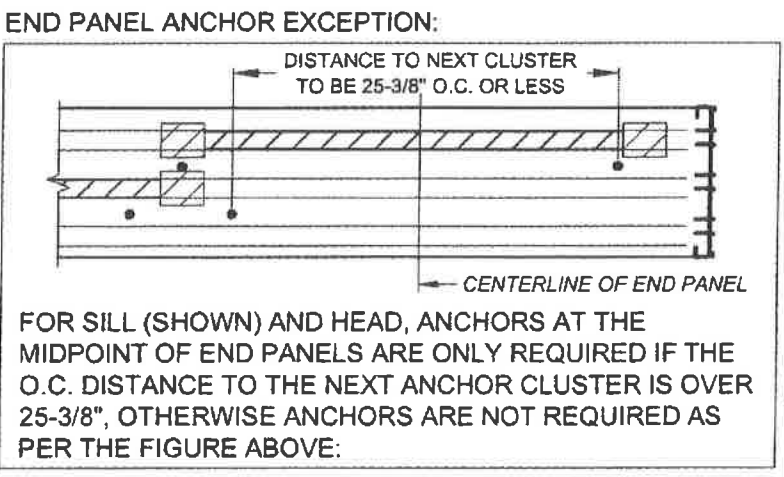
1) KNOWING THE PRODUCT'S REQUIREMENTS, SCAN THROUGH TABLES 1 & 2 FOR A DESIGN PRESSURE THAT MEETS OR EXCEEDS THE REQUIREMENT OF +48.2/-58.6 AT A NOM. PANEL SIZE OF 48" X 84". FROM TABLE 1, SHEET 7, THE DESIGN PRESSURE IS +60/-60 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A (SEE TABLE A), TABLE 1 SHOWS ANCHOR REQUIREMENTS OF:

Head/Sill	C3+2
Jamb	5
P-hook	7

2) ANCHOR LOCATION DETAILS, CAN BE FOUND ON:
 HEAD (CLUSTER ANCHORS): SHEET 12 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
 HEAD (INTERMEDIATE ANCHORS): SHEET 12 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
 SILL (CLUSTER ANCHORS): SHEET 11 FOR THE "C3" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
 SILL (INTERMEDIATE ANCHORS): SHEET 11 FOR THE "+2 ANCHORS AT THE MIDSPAN OF EACH PANEL.
 JAMB: 5 ANCHORS, SHEET 13 FOR GEN. LAYOUT.
 P-HOOK: 7 ANCHORS, SHEET 13 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO WOOD CAN BE FOUND ON:
 HEAD & SILL: SHEET 4
 JAMB: SHEET 3
 P-HOOK: SHEET 6

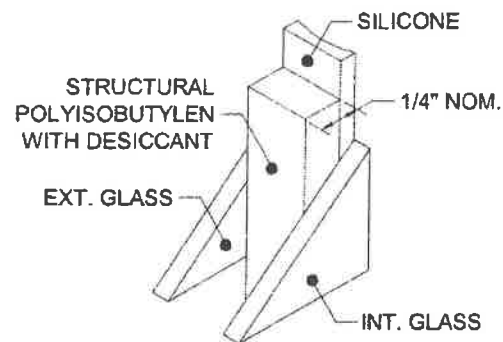


FOR PRODUCT REFERENCES, ALSO SEE:
 A) SHEET 2 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
 B) SHEET 10 FOR SPECIFIC GLAZING TYPES.
 C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
 D) SHEETS 4 & 18 FOR EXTRUSION CROSS-SECTION DRAWINGS.
 E) SHEET 19 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
 F) SHEET 21 FOR A BILL OF MATERIALS.

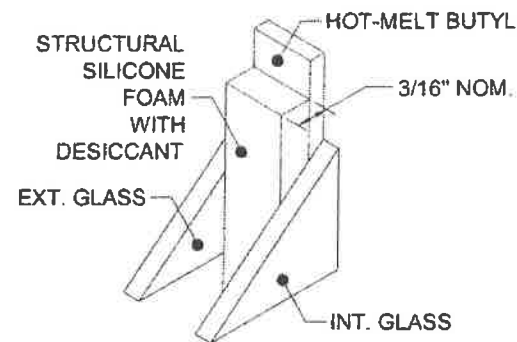
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Title		VINYL SLIDING GLASS DOOR FPA		Date	3/24/16
Rev A Desc.		STRAIGHT DOOR EXAMPLE		Drawn By	J ROSOWSKI
Rev B	Rev A	Date	Date	Date	Date
SGD-5470	Scale	NTS	Sheet	9 OF 25	DWG No. FPA-SGD5470.2

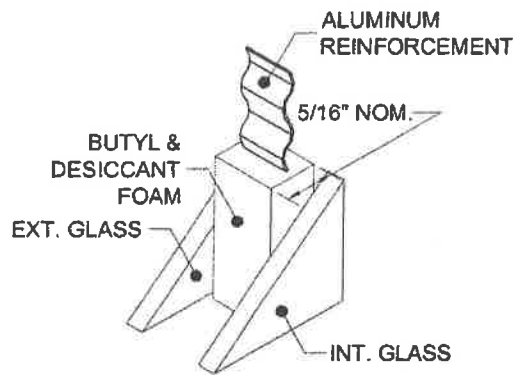
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 P.E.# 58705



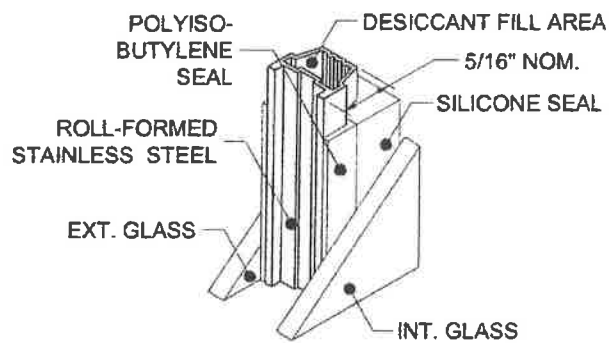
75 **KODISPACE**
4SG TPS



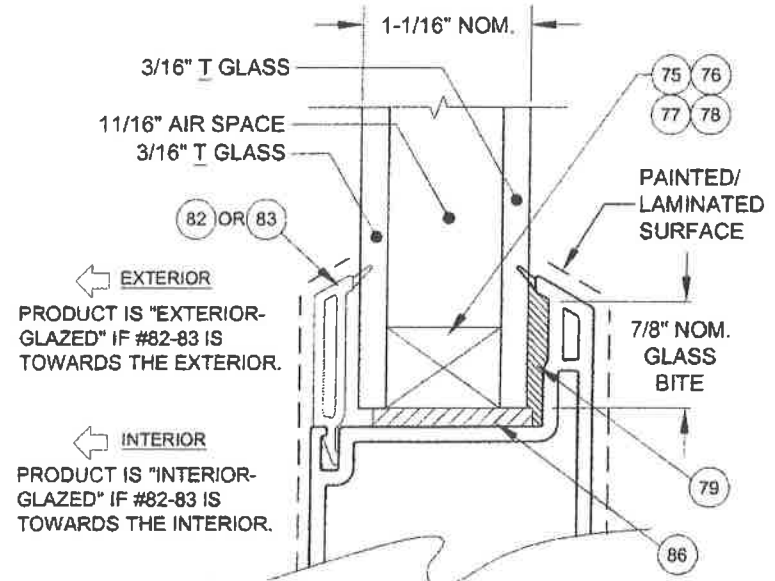
76 **SUPER**
SPACER[®] NXT[™]



77 **DURASEAL[®]**
SPACER



78 **XL EDGE[™]**
SPACER



GLASS DETAIL

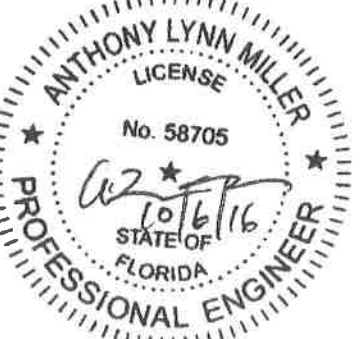
NOTES:
1) BACKBEDDING SURFACES SHALL NOT BE PAINTED OR LAMINATED.
2) PRODUCT MAY BE EITHER INTERIOR OR EXTERIOR GLAZED.

"T" = TEMPERED



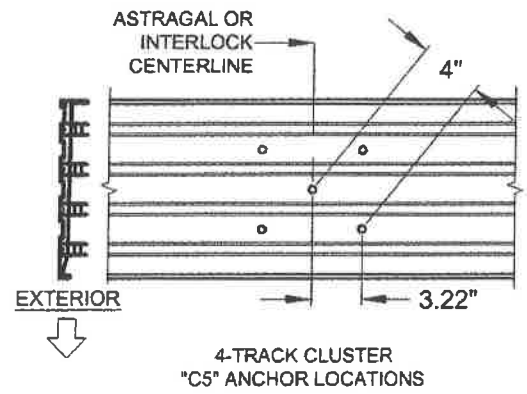
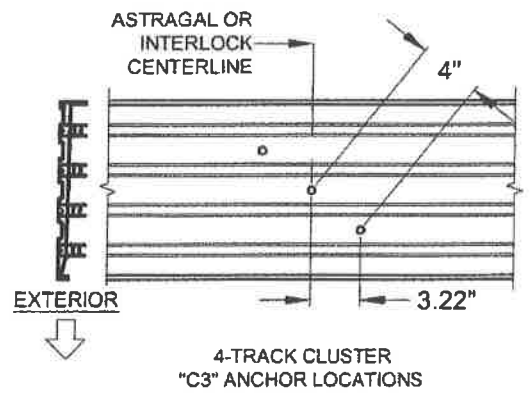
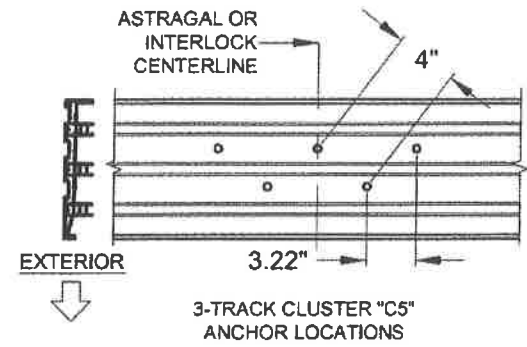
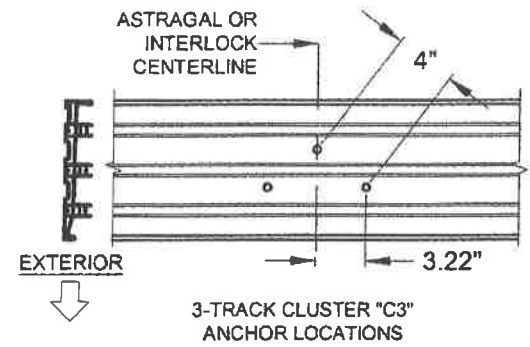
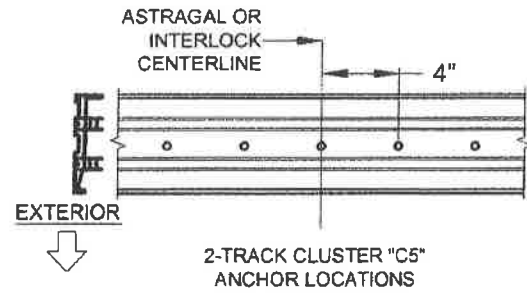
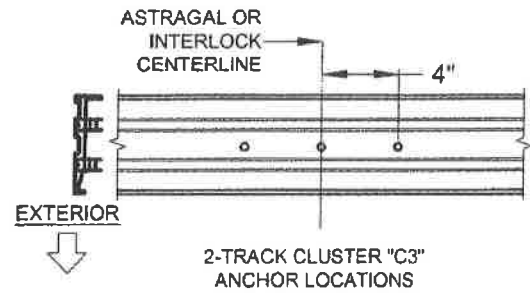
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Service	Rev B	Rev A	Desc.	Title	Date
			VINYL SLIDING GLASS DOOR FPA	GLAZING DETAILS	3/24/16
				Drawn By	J ROSOWSKI
				Rev B	Rev A
				Date	Date
Scale	NTS	Sheet	10 OF 25	DWG No.	FPA-SGD5470.2
				Rev. No.	

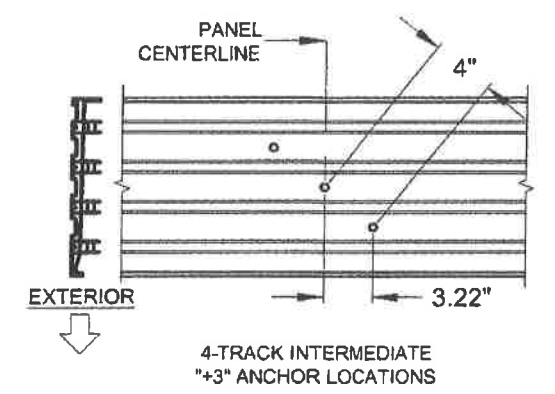
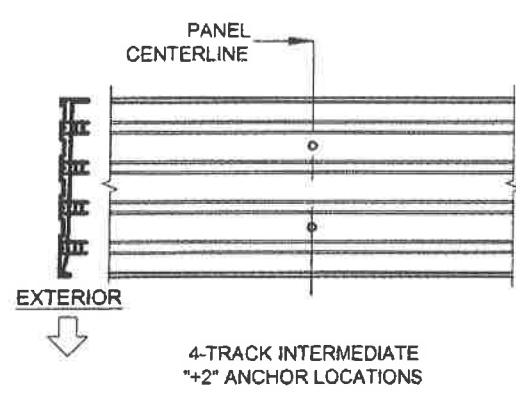
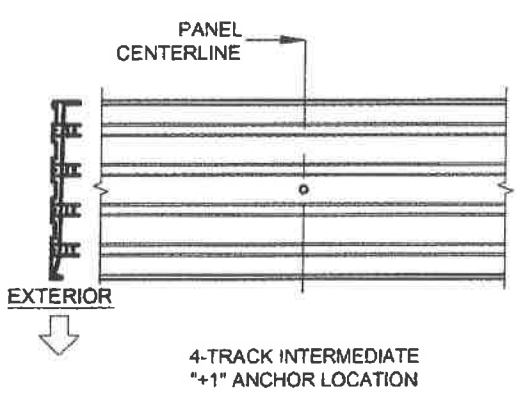
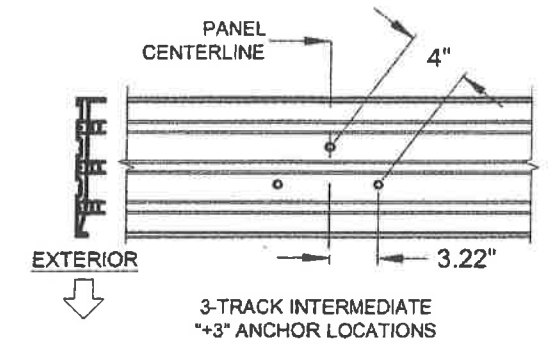
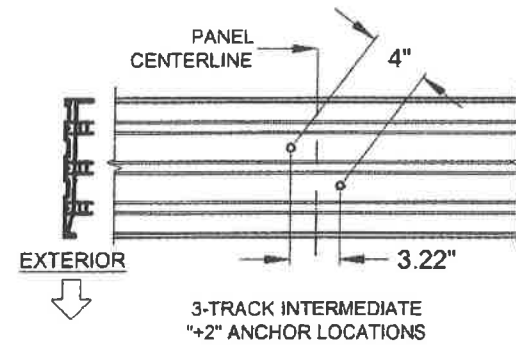
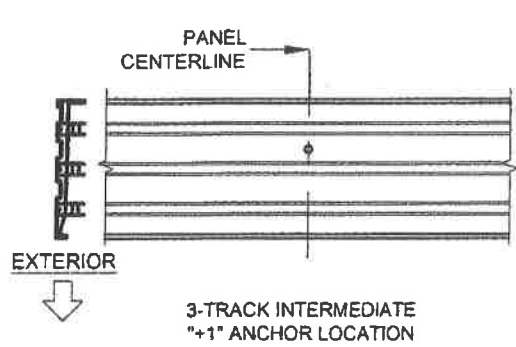
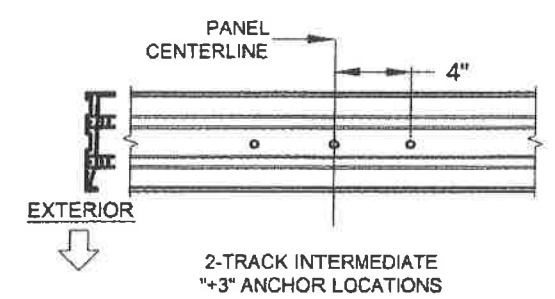
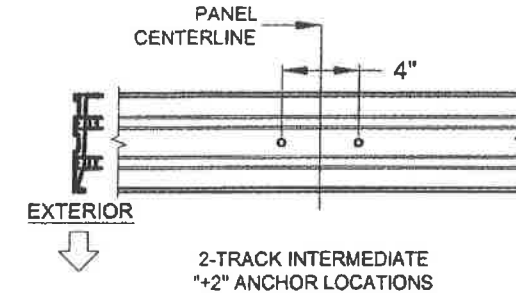
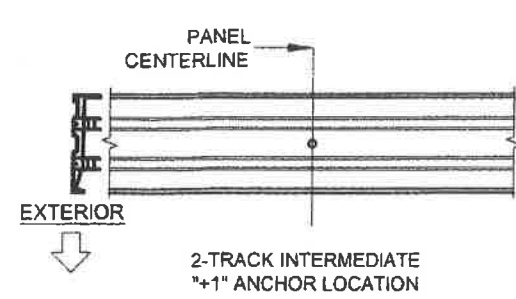


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SILL CLUSTER ANCHORS LAYOUT:



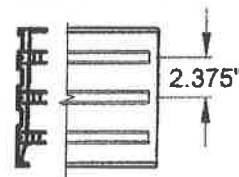
SILL "+" INTERMEDIATE ANCHORS LAYOUT:



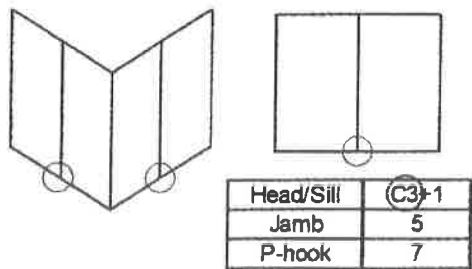
NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

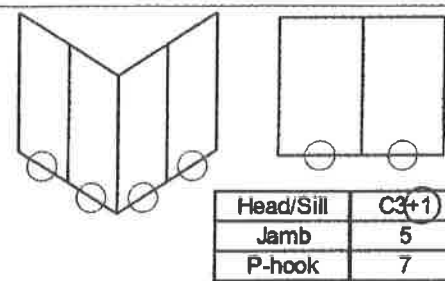
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



FIGURES PERTAIN TO THE FOLLOWING SILL CLUSTER ANCHOR LOCATIONS:



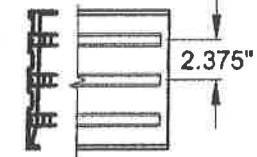
FIGURES PERTAIN TO THE FOLLOWING SILL INTERMEDIATE ANCHOR LOCATIONS:



NOTES:

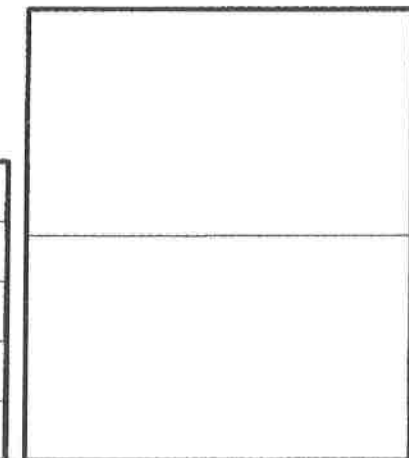
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL SILLS:



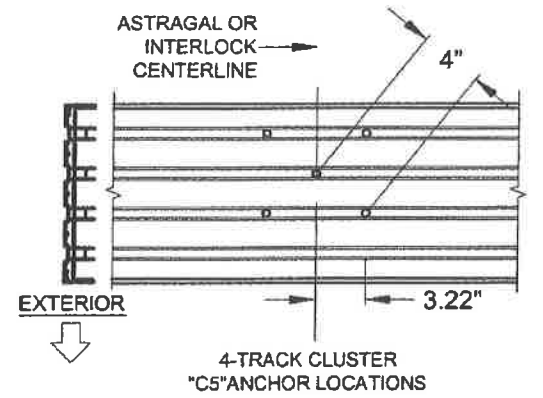
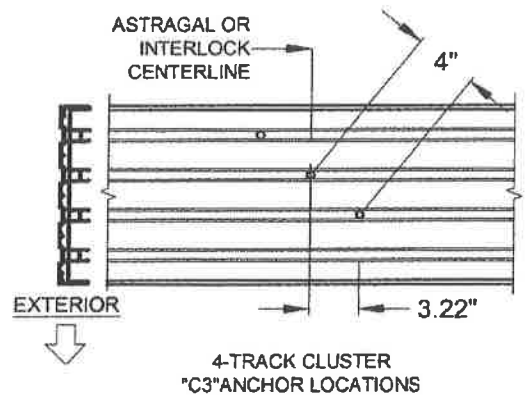
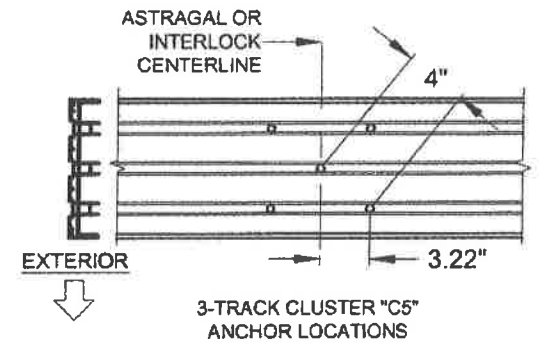
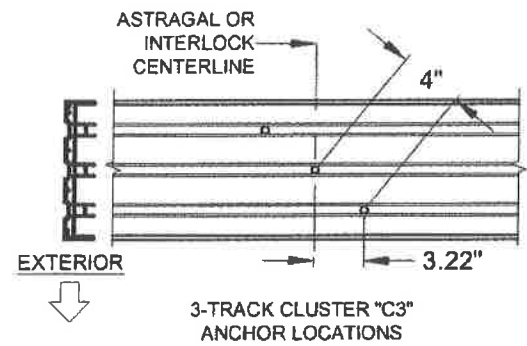
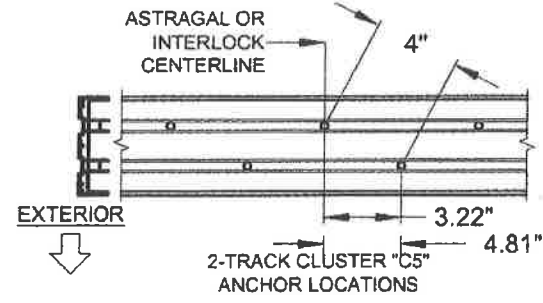
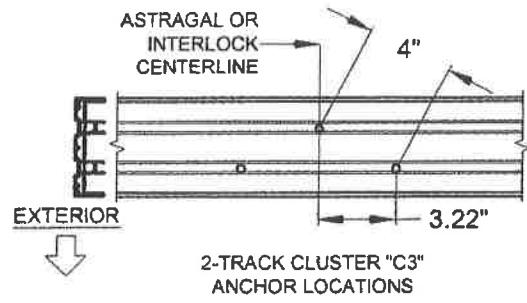
PGT
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Series	Rev 1	Rev 2	Rev 1	Rev 2	Rev 1	Rev 2	Date
SGD-5470	NTS	11 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.		
Title			VINYL SLIDING GLASS DOOR FPA		Date		
Anchor Locations A			Drawn By		J ROSOWSKI		
Date			3/24/16				



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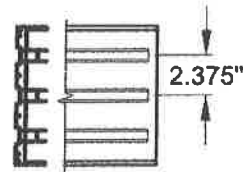
HEAD CLUSTER ANCHORS LAYOUT:



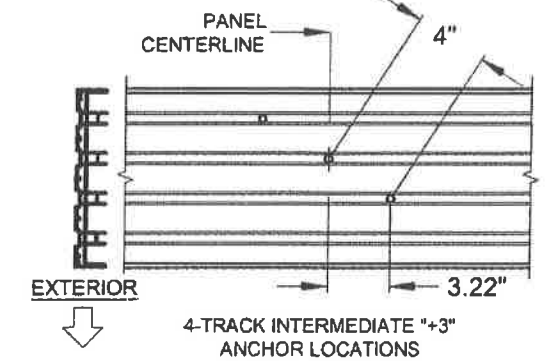
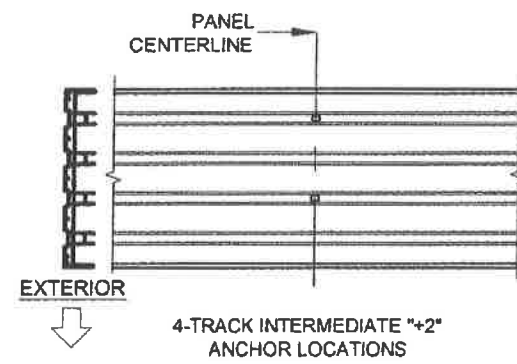
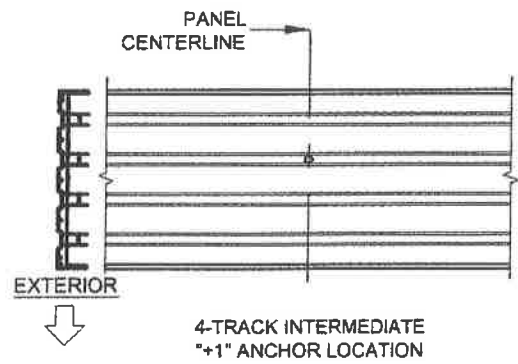
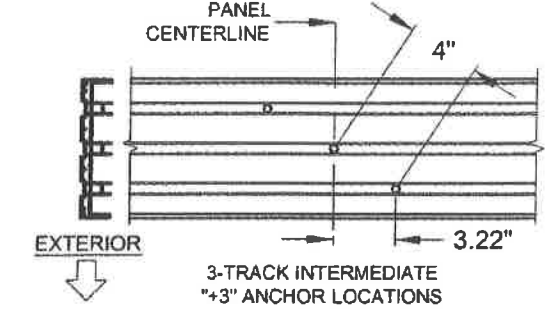
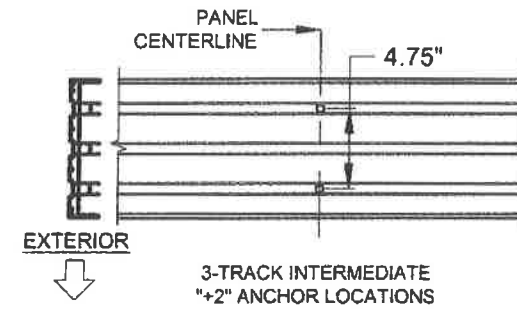
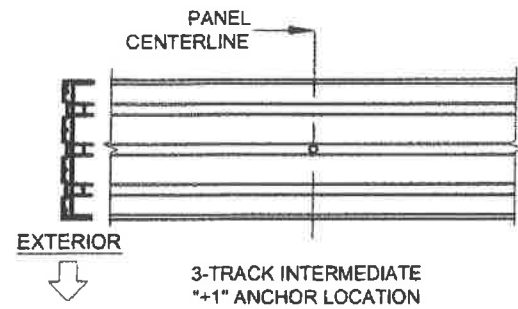
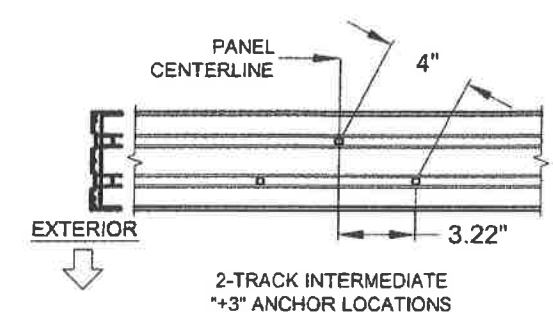
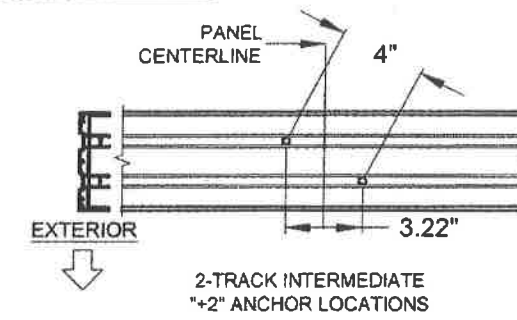
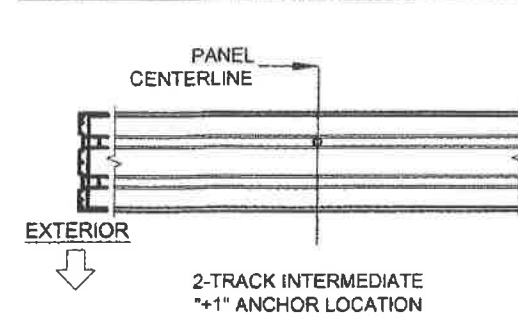
NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS:



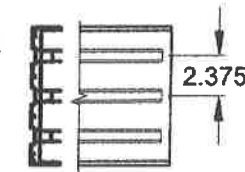
HEAD "+" INTERMEDIATE ANCHORS LAYOUT:



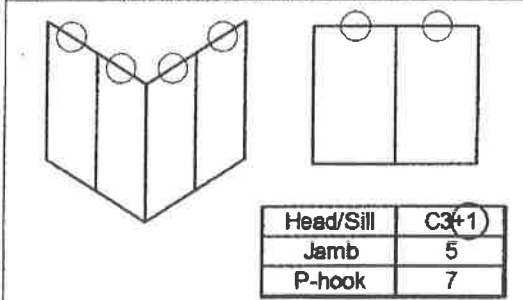
NOTES:

1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

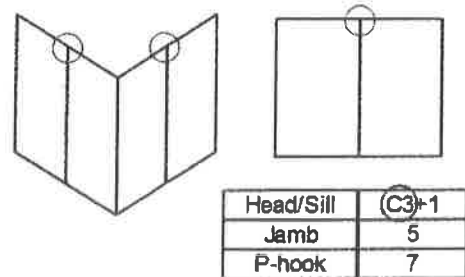
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS:



FIGURES PERTAIN TO THE FOLLOWING HEAD INTERMEDIATE ANCHOR LOCATIONS:



FIGURES PERTAIN TO THE FOLLOWING HEAD CLUSTER ANCHOR LOCATIONS:

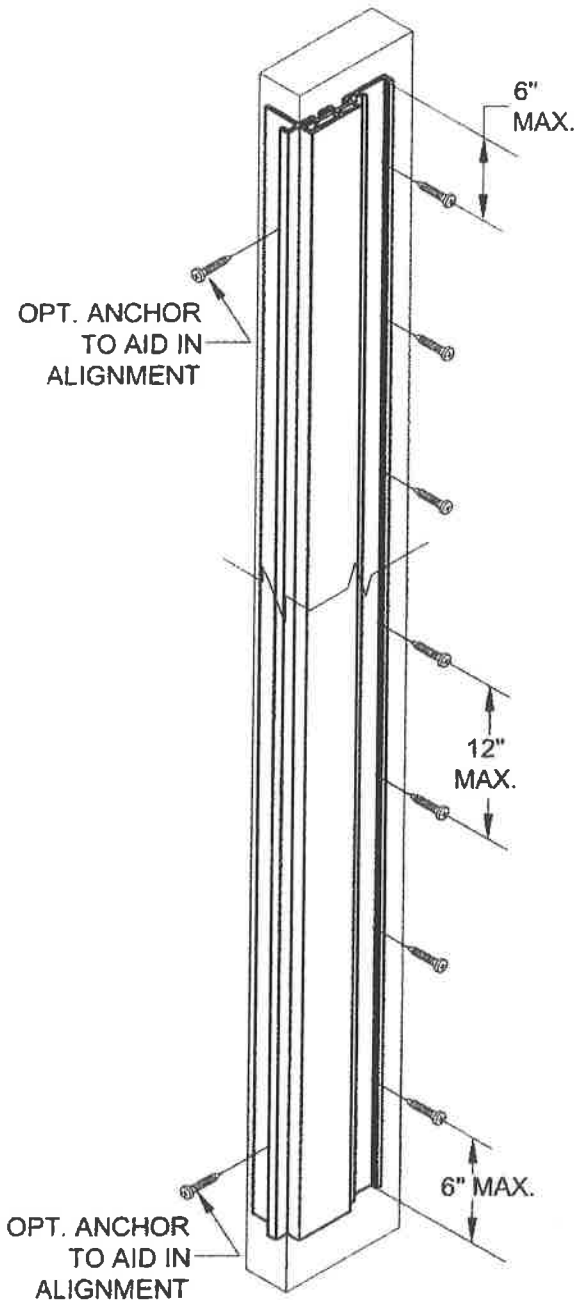


PGI
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	Rev 1	Dec. 1	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
Rev 2	Rev 1	Dec. 1	Anchor Locations B	Drawn By	J ROSOWSKI	
Rev 2	Rev 1	Dec. 1		Rev 2	Rev 1	Date
SGD-5470	Scale	NTS	Sheet	12 OF 25	DWG No.	FPA-SGD5470.2
					Rev. No.	

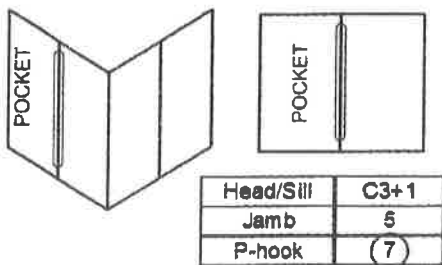
ANTHONY LYNN MILLER
LICENSE
No. 58705
A. LYNN MILLER, P.E.
P.E.# 58705

P-HOOK ANCHORS LAYOUT:

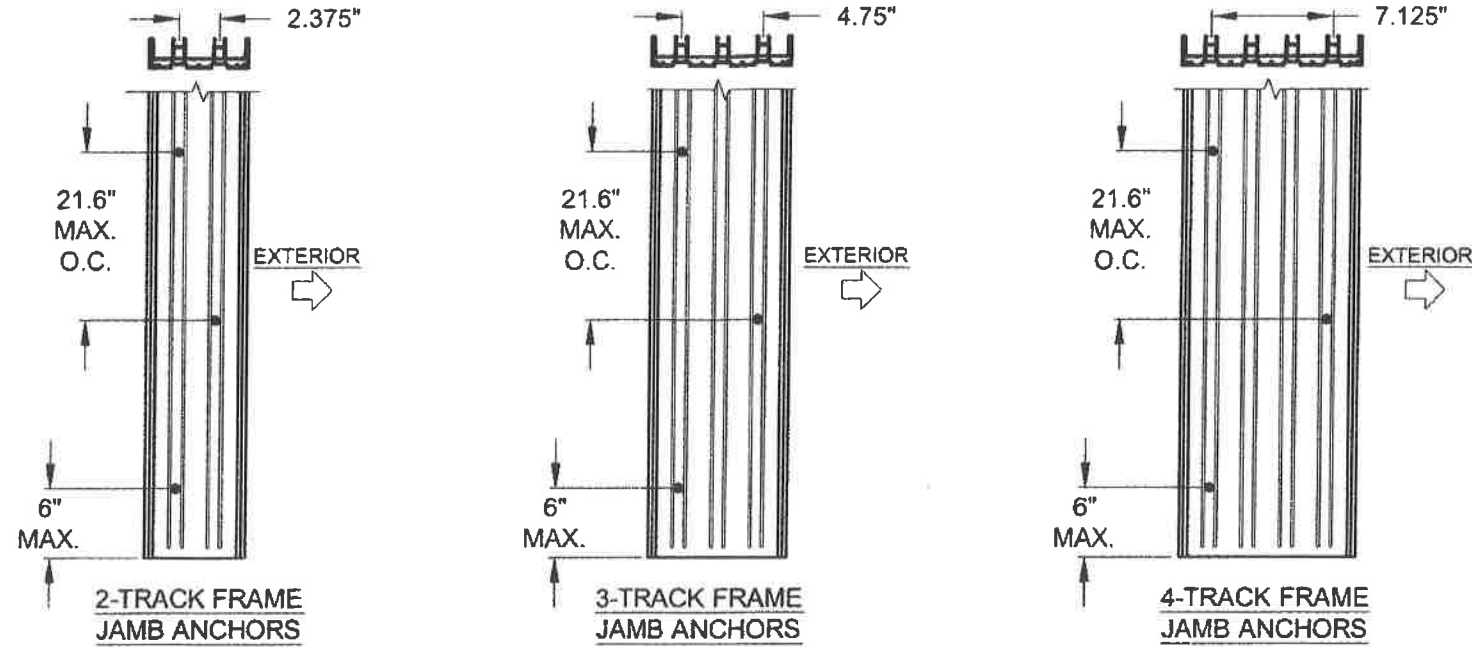


NOTES:
1) SEE TABLES 1 & 2 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

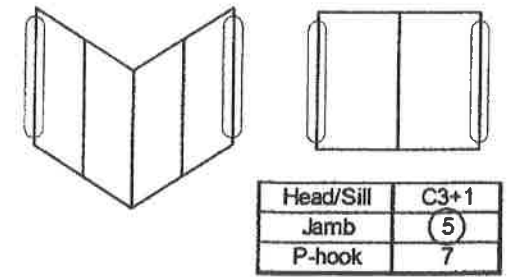
FIGURES PERTAIN TO THE FOLLOWING POCKET JAMB (P-HOOK) ANCHOR LOCATIONS:



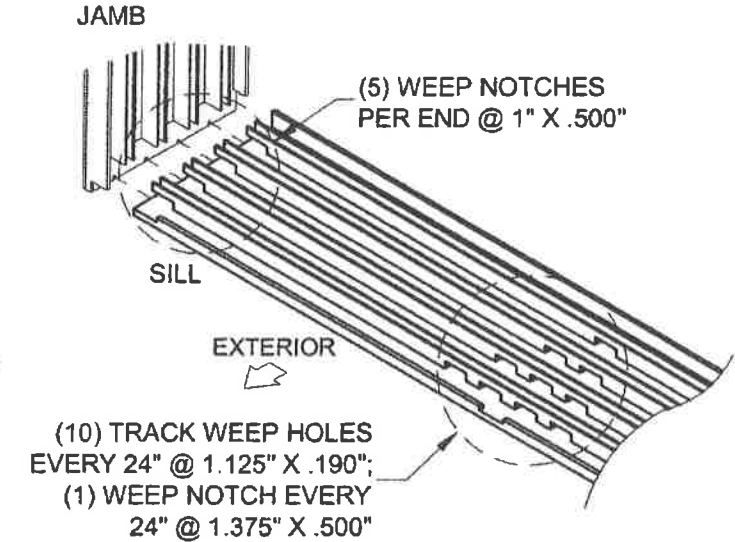
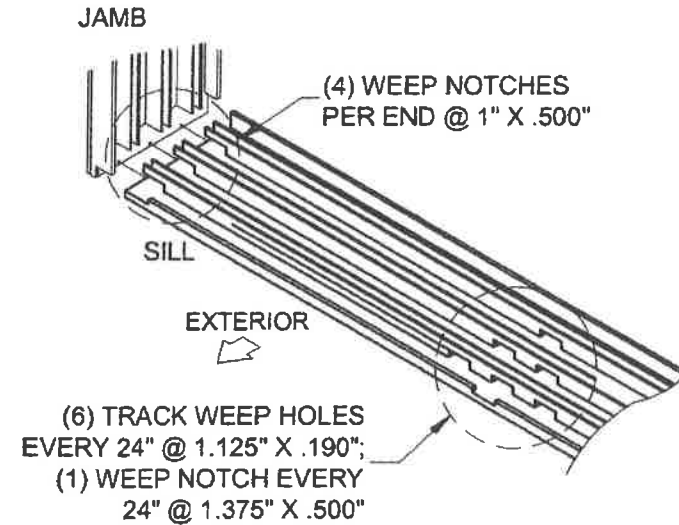
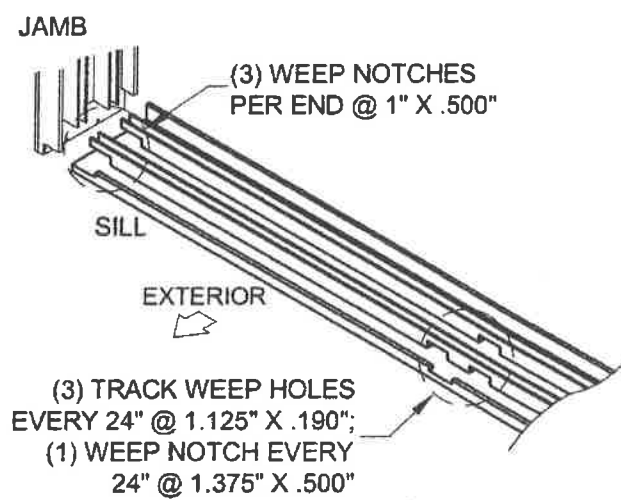
JAMB ANCHORS LAYOUT, (PARTIAL VIEW):



FIGURES PERTAIN TO THE FOLLOWING JAMB ANCHOR LOCATIONS:



NOTES:
1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS MAY BE LOCATED IN ADJACENT TRACKS (SIMILAR TO THE 2-TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.



SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

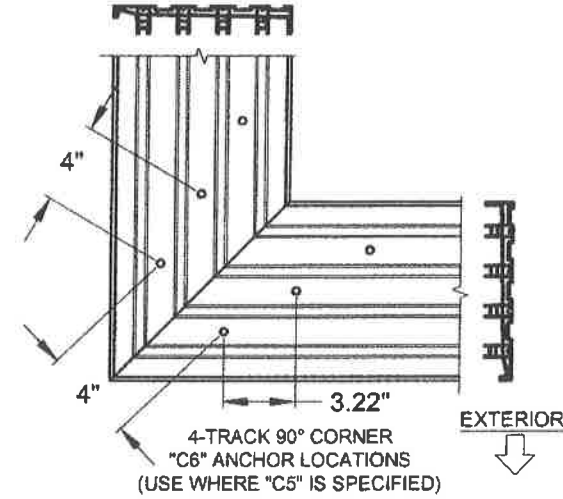
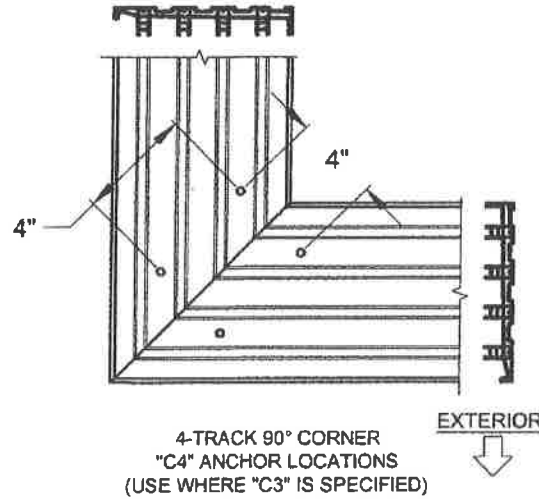
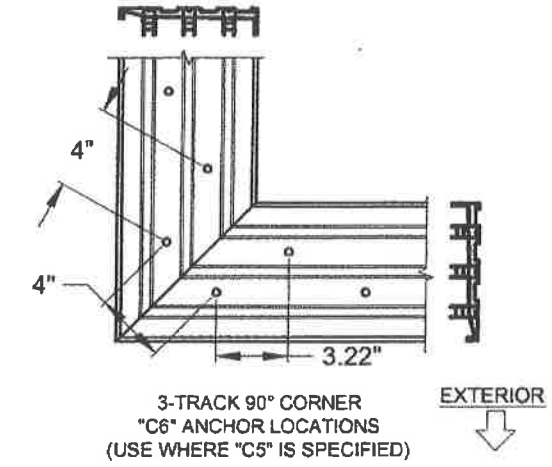
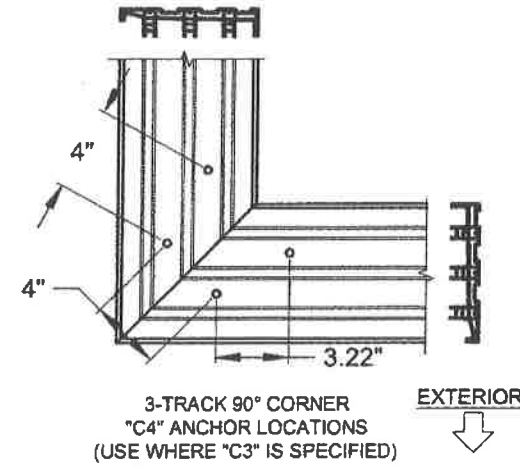
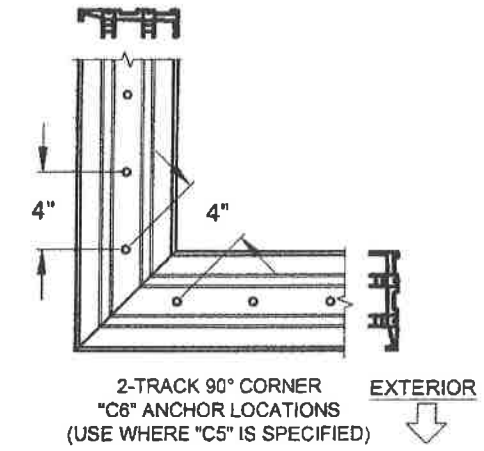
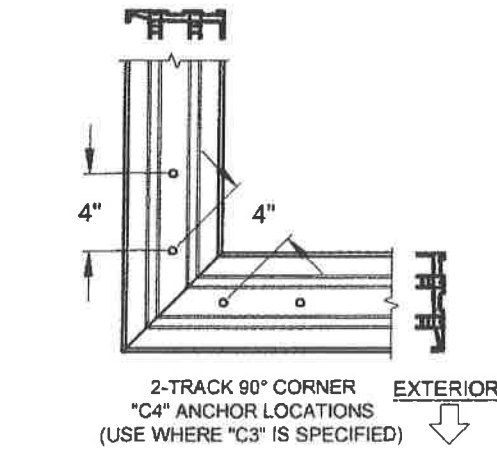
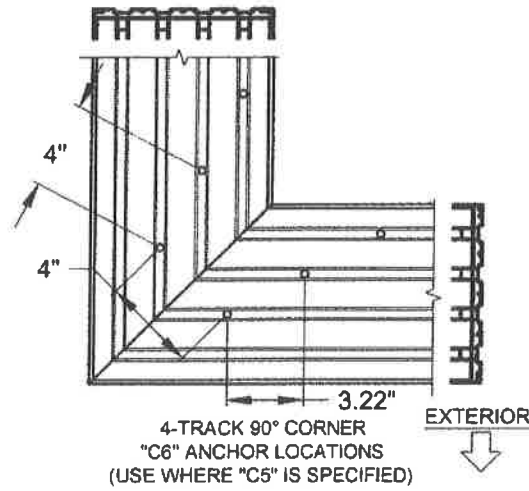
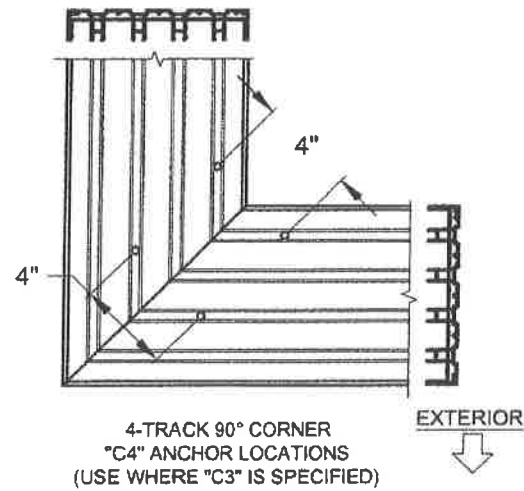
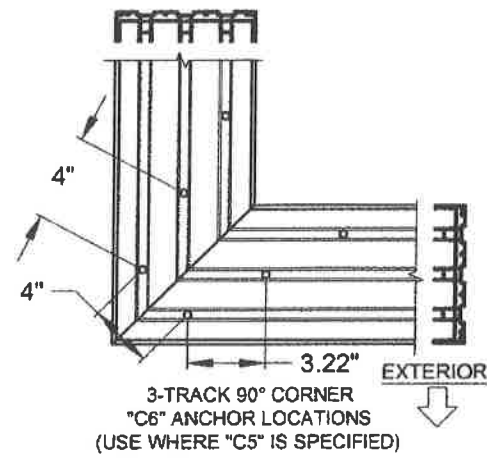
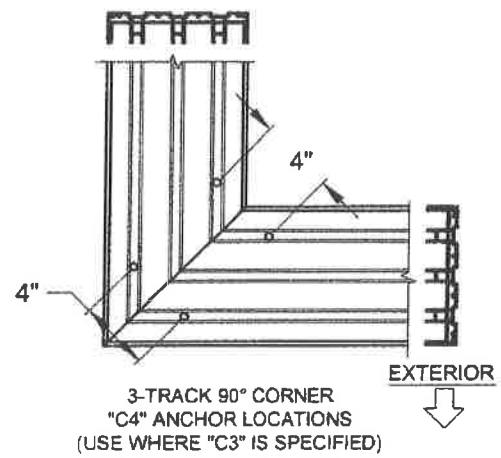
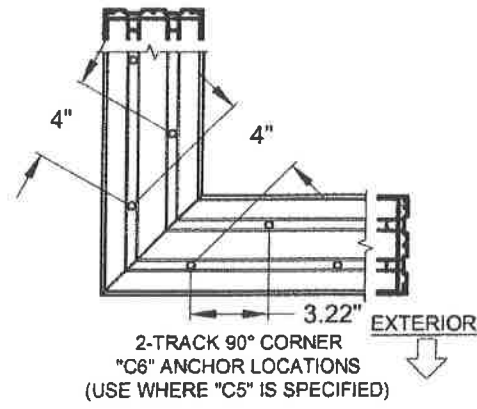
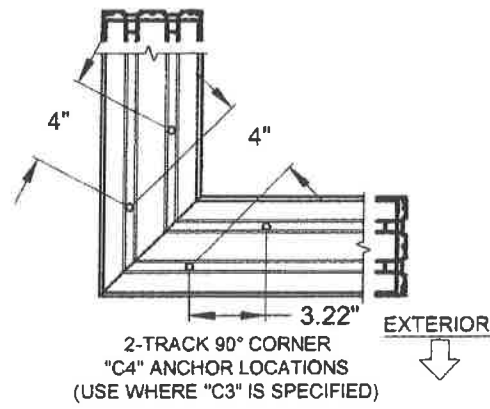
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	SGD-5470	Scale	NTS	Sheet	13 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	ANCHOR LOCATIONS C		Drawn By	J ROSOWSKI					
Rev 1	Rev 1	Rev 1	Rev 1	Rev 1	Rev 1	Rev 1	Rev 1	Rev 1	Rev 1

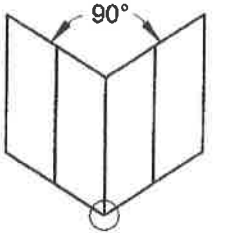
ANTHONY LYNN MILLER
LICENSE
No. 58705
10/6/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

SILL 90° CORNER CLUSTER ANCHORS LAYOUT:

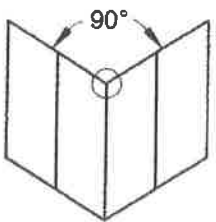


FIGURES PERTAIN TO THE FOLLOWING 90° CORNER SILL ANCHOR LOCATIONS:



Head/Sill	(C3)+1
Jamb	5
P-hook	7

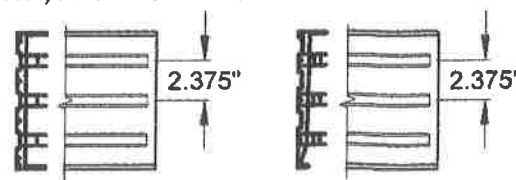
FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:



Head/Sill	(C3)+1
Jamb	5
P-hook	7

NOTES:

- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.
- 3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:

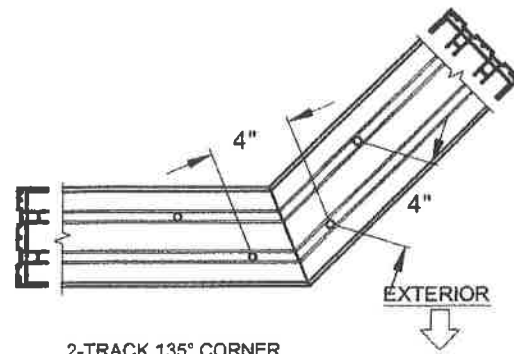


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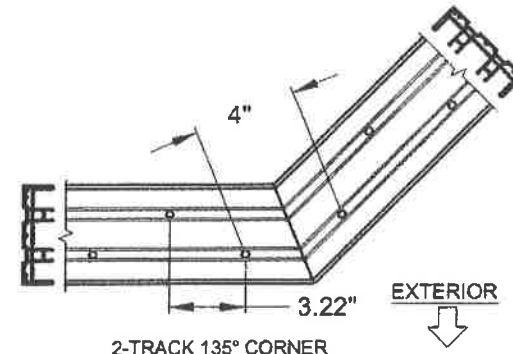
Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
Dec.	ANCHOR LOCATIONS D	Drawn By	J ROSOWSKI
Rev 1		Rev 1 Date	
Rev 2		Rev 2 Date	
Scale	NTS	Sheet	14 OF 25
DWG No.	FPA-SGD5470.2	Rev. No.	

ANTHONY LYNN MILLER
 LICENSE
 No. 58705
 10/6/16
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E.
 P.E.# 58705

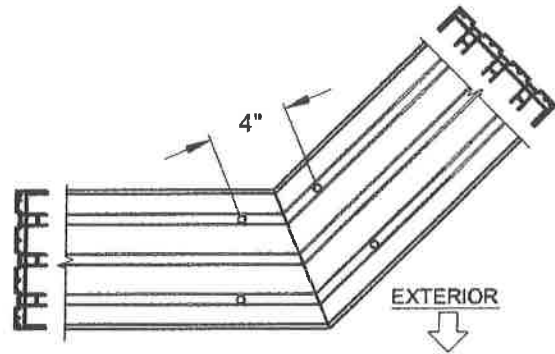
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT:



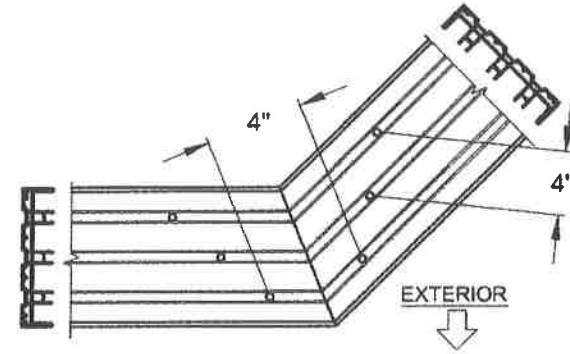
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



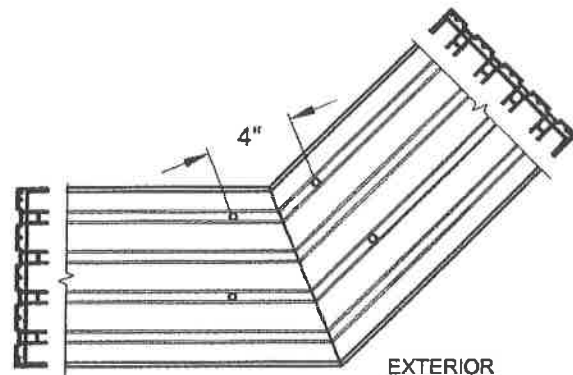
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



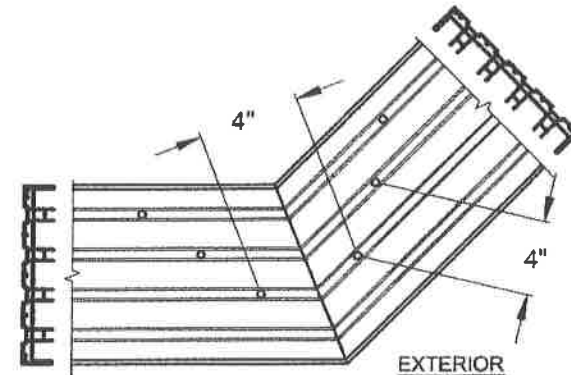
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

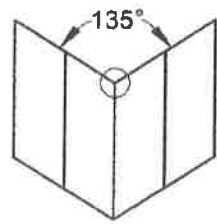


4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



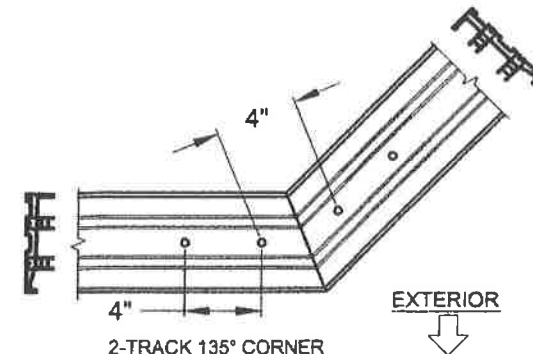
4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

FIGURES PERTAIN TO THE FOLLOWING 135° CORNER
HEAD ANCHOR LOCATIONS:

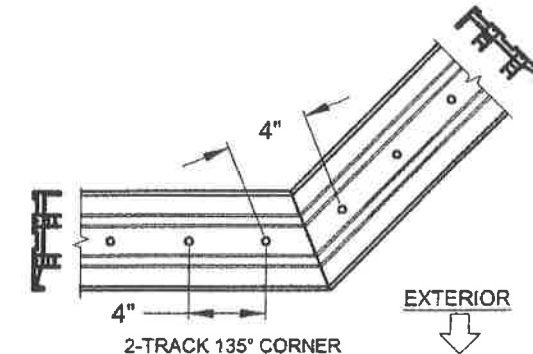


Head/Sill	(C3)+1
Jamb	5
P-hook	7

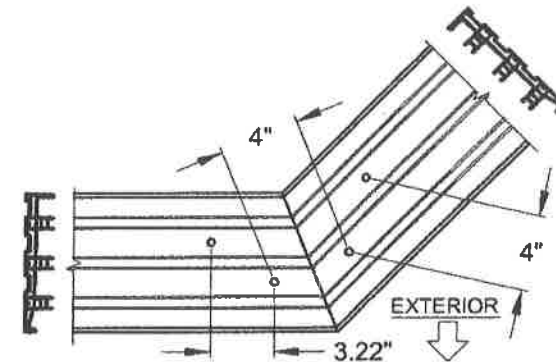
SILL 135° CORNER CLUSTER ANCHORS LAYOUT:



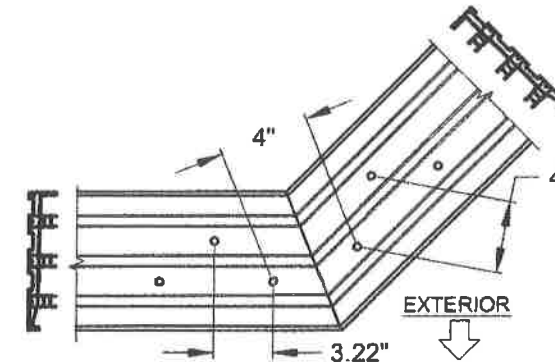
2-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



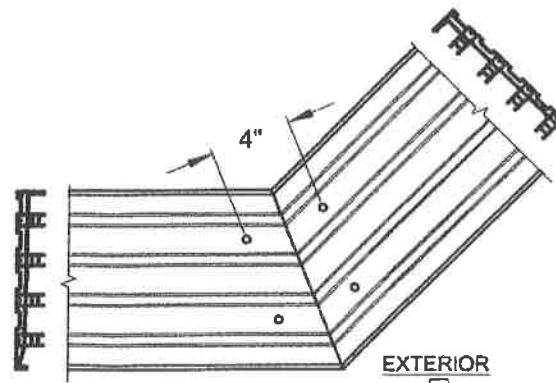
2-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



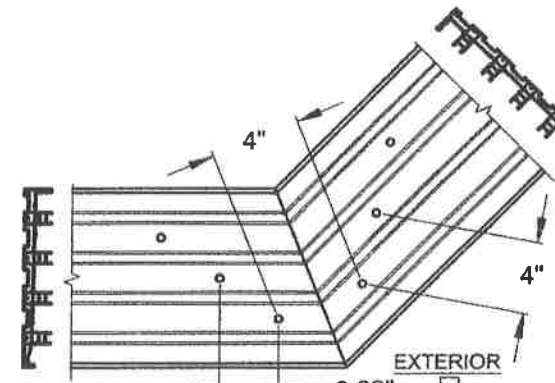
3-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



3-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)



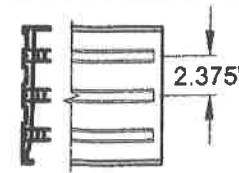
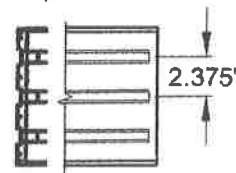
4-TRACK 135° CORNER
"C4" ANCHOR LOCATIONS
(USE WHERE "C3" IS SPECIFIED)



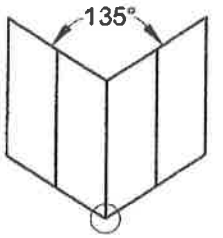
4-TRACK 135° CORNER
"C6" ANCHOR LOCATIONS
(USE WHERE "C5" IS SPECIFIED)

NOTES:

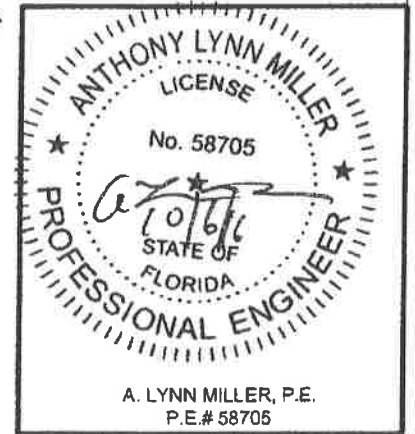
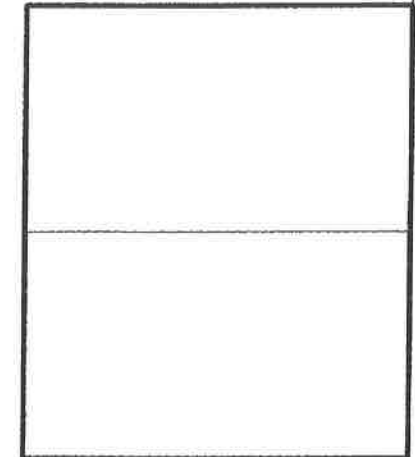
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.
- 3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:



FIGURES PERTAIN TO THE FOLLOWING 135° CORNER SILL ANCHOR LOCATIONS:



Head/Sill	(C3)+1
Jamb	5
P-hook	7



A. LYNN MILLER, P.E.
P.E.# 58705

P&G

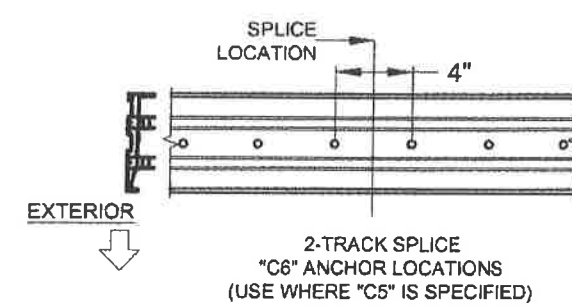
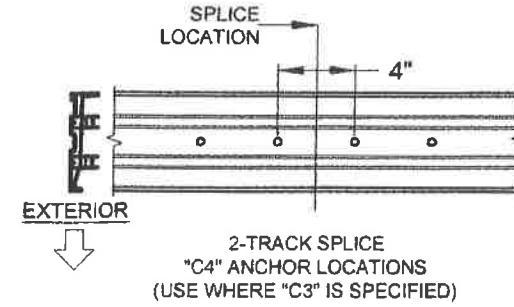
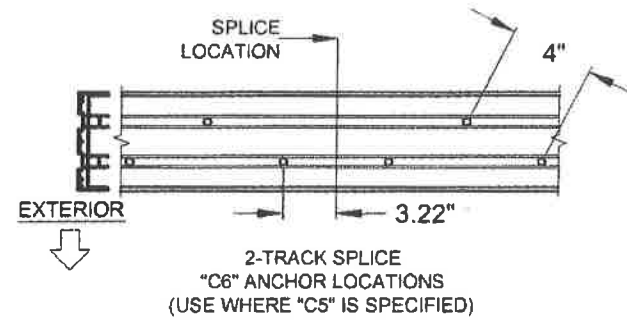
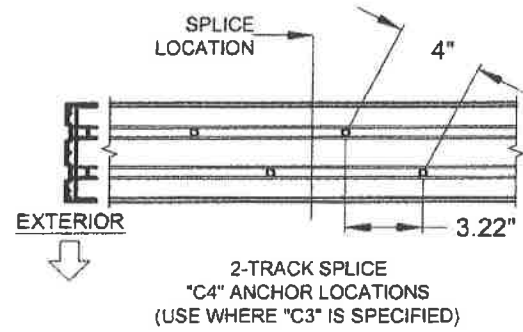
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Surface	Rev 2	Rev 1	Disc.	Title	Date
				VINYL SLIDING GLASS DOOR FPA	3/24/16
				ANCHOR LOCATIONS E	Drawn By: J ROSOWSKI
					Rev 1 Date
					Rev 2 Date
SGD-5470	Scale	NTS	Sheet	15 OF 25	DWG No. FPA-SGD5470.2
					Rev. No.

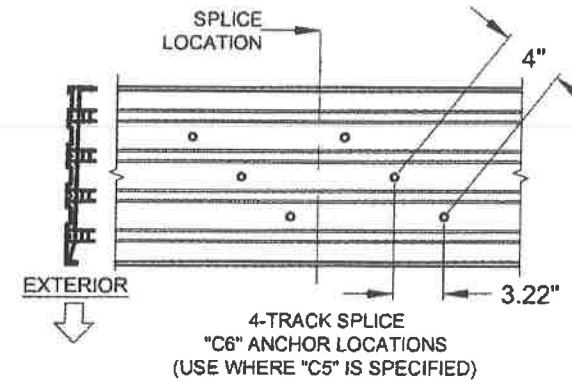
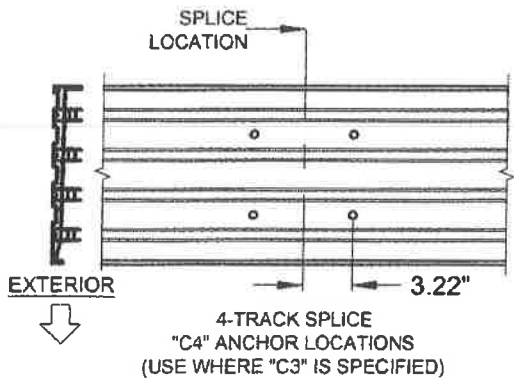
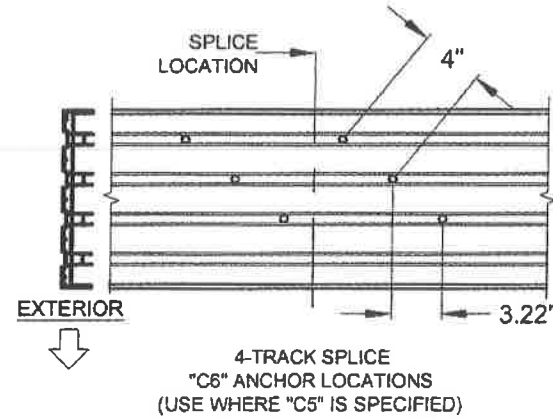
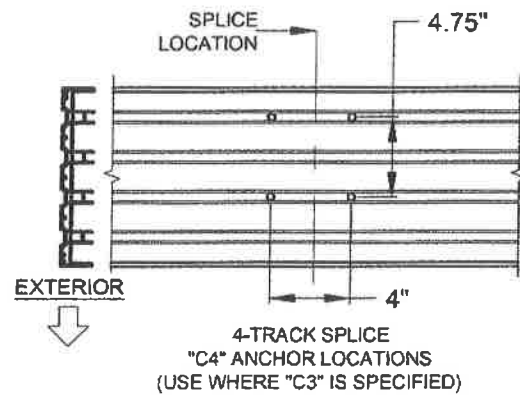
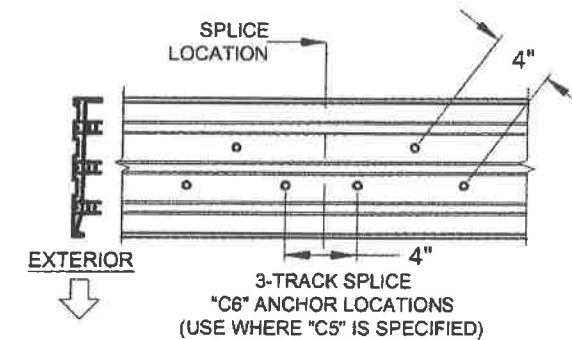
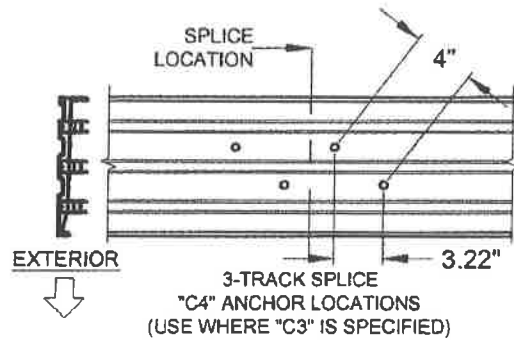
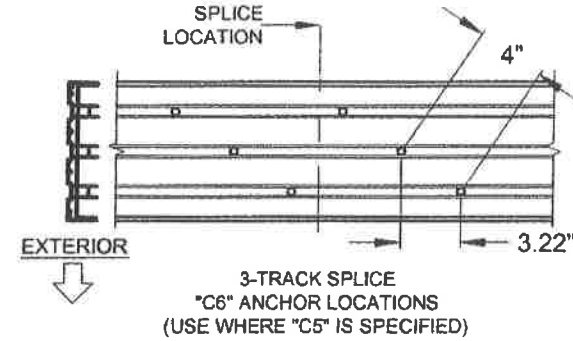
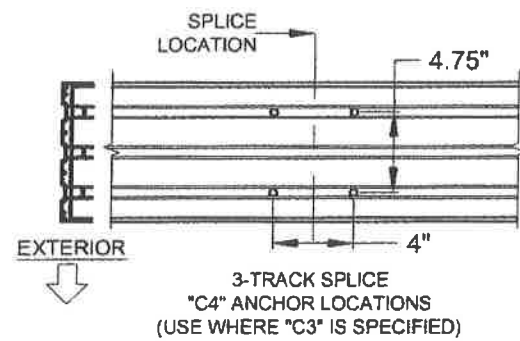
HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:

SILL SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:

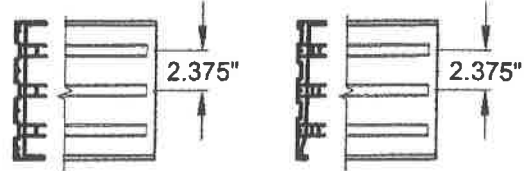
FIGURES PERTAIN TO THE FOLLOWING SPLICED SILL ANCHOR LOCATIONS:



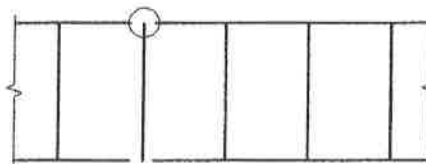
Head/Sill	(C3)+1
Jamb	5
P-hook	7



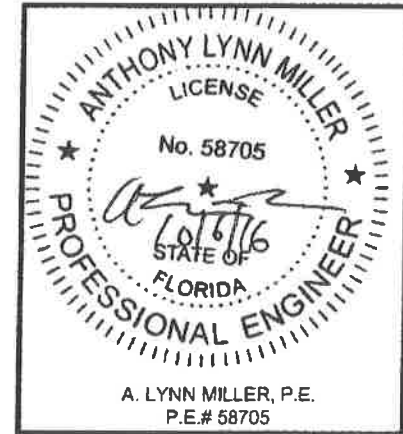
NOTES:

- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) ABOVE FIGURES ARE FOR SPLICES OCCURRING AT THE ASTRAGAL OR INTERLOCK. FOR SPLICES OCCURRING INSIDE OF A POCKET, SEE THE EXAMPLE ON SHEET 9.
- 3) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS:
 
- 4) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:



Head/Sill	(C3)+1
Jamb	5
P-hook	7



PGT
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(941)-480-1600
CERT. OF AUTH. #29296

Series	Rev 2	Rev 1	Dec.	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
				ANCHOR LOCATIONS F	Drawn By	J ROSOWSKI	
					Rev 1	Date	
					Rev 2	Date	
SGD-5470	Scale	NTS	Sheet	16 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.

PANEL TYPES INTERIOR OR EXTERIOR GLAZED		PANEL'S RIGHT STILE TYPE										
		SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	OUTSIDE 90° ASTRAGAL RECEIVER	INSIDE 90° ASTRAGAL RECEIVER	OUTSIDE 135° ASTRAGAL RECEIVER	INSIDE 135° ASTRAGAL RECEIVER	
PANEL'S LEFT STILE TYPE	SINGLE INTERLOCK OUT		E	F	PP	K	L (BOX OUT)	L (BOX IN)	TC	TA	TV	TW
	SINGLE INTERLOCK IN		B	H	P	A	C (BOX OUT)	C (BOX IN)	SC	SA	SV	SW
	FIXED STILE		RR	R			S (BOX OUT)	S (BOX IN)	FC	FD	FV	FW
	LOCKSTILE W/ HANDLE		D	M			J (BOX OUT)	J (BOX IN)				
	ASTRAGAL BOX OUT		LR (BOX OUT)		T (BOX OUT)	U (BOX OUT)						
	ASTRAGAL BOX IN			N (BOX IN)	T (BOX IN)	U (BOX IN)						
	OUT. 90° ASTRAGAL RECEIVER		CT	CS	CF							
	IN. 90° ASTRAGAL RECEIVER		AT	AS	DF							
	OUT. 135° ASTRAGAL RECEIVER		VT	VS	VF							
	IN. 135° ASTRAGAL RECEIVER		WT	WS	WF							

SCREEN PANEL TYPES			
C	DOUBLE INTERLOCK		ASTRAGAL
M	LOCKSTILE		DOUBLE INTERLOCK
J	LOCKSTILE		ASTRAGAL
SD	SINGLE INTERLOCK		DOUBLE INTERLOCK
A	DOUBLE INTERLOCK		LOCKSTILE
U	ASTRAGAL		LOCKSTILE
DS	DOUBLE INTERLOCK		SINGLE INTERLOCK



PANEL TYPE "F" SHOWN.

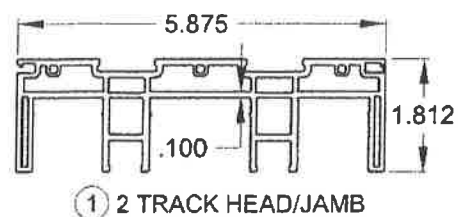
PANEL NOTES:

- 1) SEE DP/ANCHOR TABLES 1 & 2, SHEETS 7-8 FOR PANEL SIZES & DESIGN PRESSURE.
- 2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
- 3) MAXIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".
- 4) PANEL TYPE MAY BE EITHER EXTERIOR (STANDARD) OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY THIS APPROVAL, SEE DETAILS SHEET 10.

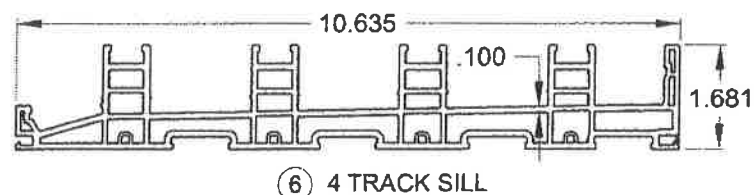
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	Rev B	Rev A	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
Scale	NTS	Sheet	17 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.
Drawn By	J ROSOWSKI		Rev A Date		Rev B Date	

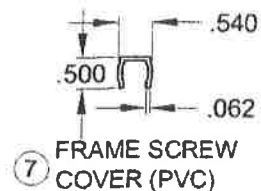
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



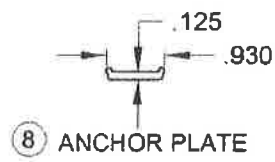
① 2 TRACK HEAD/JAMB



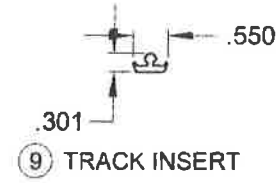
⑥ 4 TRACK SILL



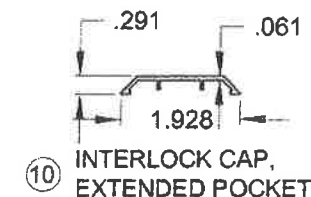
⑦ FRAME SCREW COVER (PVC)



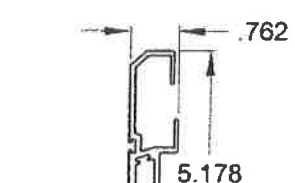
⑧ ANCHOR PLATE



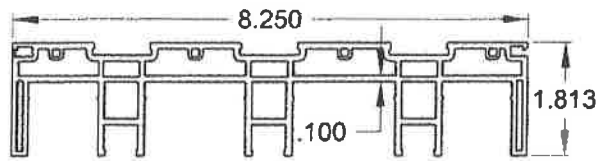
⑨ TRACK INSERT



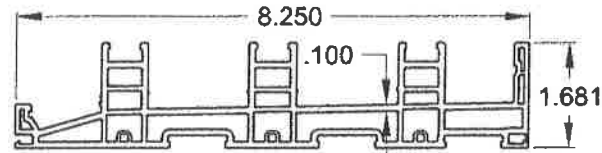
⑩ INTERLOCK CAP, EXTENDED POCKET



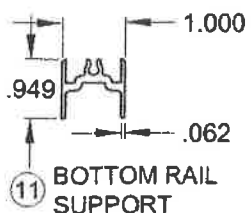
⑱ P-HOOK



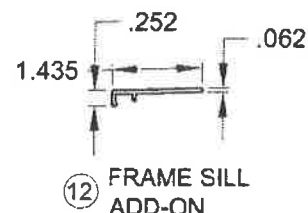
③ 3 TRACK HEAD/JAMB



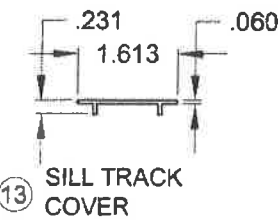
④ 3 TRACK SILL



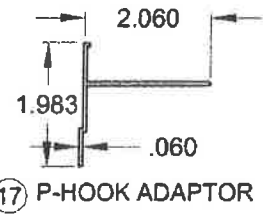
⑪ BOTTOM RAIL SUPPORT



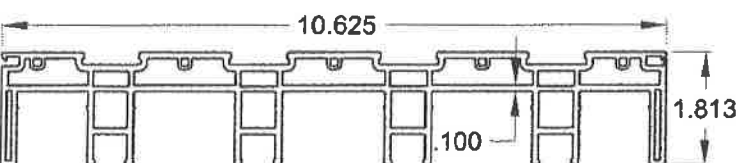
⑫ FRAME SILL ADD-ON



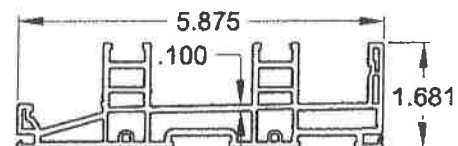
⑬ SILL TRACK COVER



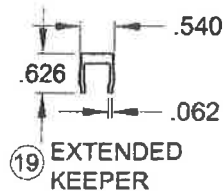
⑰ P-HOOK ADAPTOR



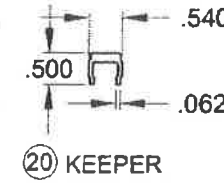
⑤ 4 TRACK HEAD/JAMB



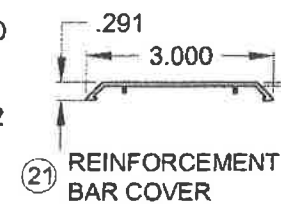
② 2 TRACK SILL



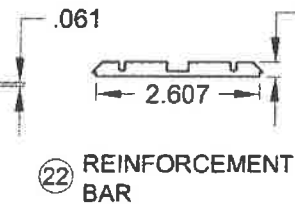
⑲ EXTENDED KEEPER



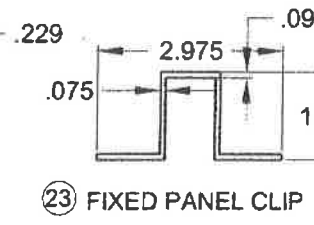
⑳ KEEPER



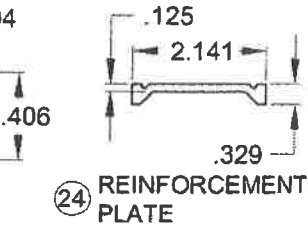
㉑ REINFORCEMENT BAR COVER



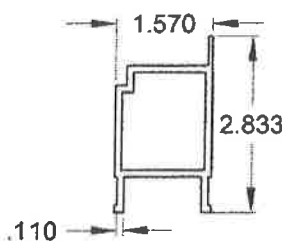
㉒ REINFORCEMENT BAR



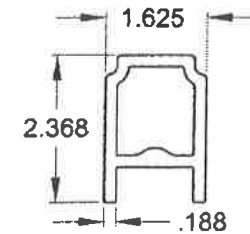
㉓ FIXED PANEL CLIP



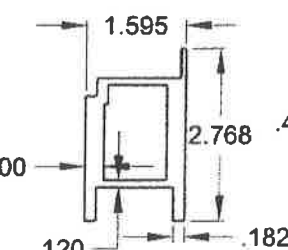
㉔ REINFORCEMENT PLATE



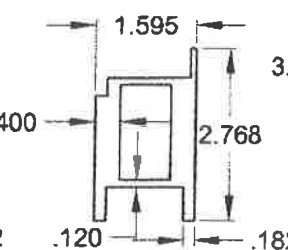
㉕ TOP, BOTTOM AND STILE REINFORCEMENT



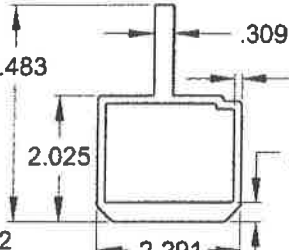
㉖ TOP, BOTTOM AND STILE COMPOSITE REINFORCEMENT



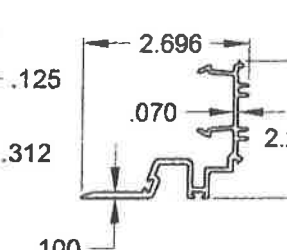
㉗ INTERLOCK .300 REINFORCEMENT, STANDARD



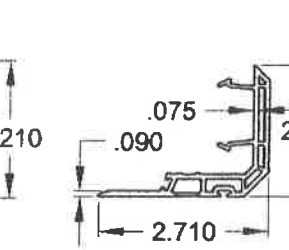
㉘ INTERLOCK .400 REINFORCEMENT, HEAVY-DUTY



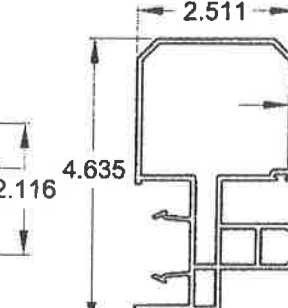
㉙ ASTRAGAL REINFORCEMENT



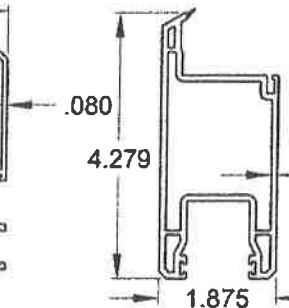
㉚ EXTENDED POCKET INTERLOCK ADAPTER



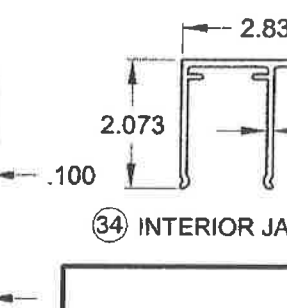
㉛ INTERLOCK ADAPTER



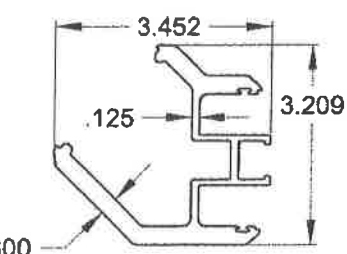
㉜ ASTRAGAL ADD-ON



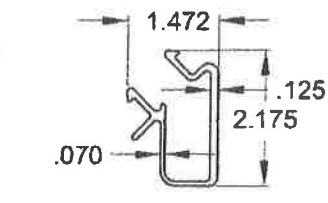
㉝ PANEL STILE, TOP AND BOTTOM RAIL



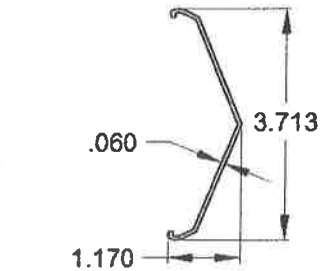
㉞ INTERIOR JAMB COVER



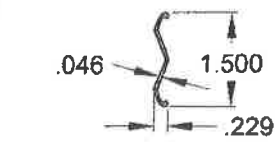
㉟ 135° CORNER ASTRAGAL



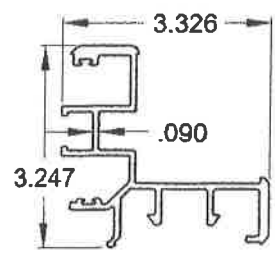
㊱ 135° CORNER PASSIVE MOUNT



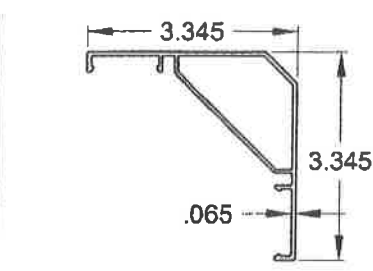
㊲ 135° CORNER ASTRAGAL CAP, EXTERIOR



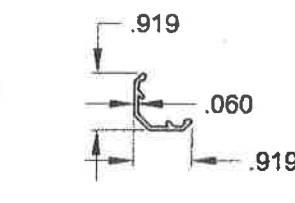
㊳ 135° CORNER ASTRAGAL CAP, INTERIOR



㊴ 90° CORNER ASTRAGAL



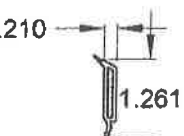
㊵ 90° CORNER ASTRAGAL CAP, EXTERIOR



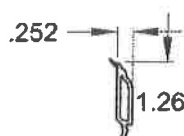
㊶ 90° CORNER ASTRAGAL CAP, INTERIOR

NOTES:

- 1) SEE SHEET 4 FOR SILL RISERS.
- 2) SEE SHEET 20 FOR SCREEN PARTS.
- 3) ALL DIMENSIONS IN INCHES.



㊷ 1-1/16" BEVELED BEAD



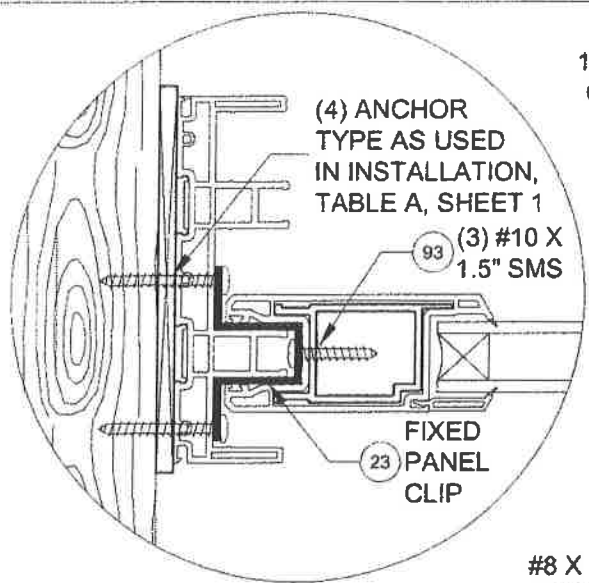
㊸ 1-1/16" OGEE BEAD

P&G

1070 TECHNOLOGY DRIVE
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Series	SGD-5470	Scale	NTS	Sheet	18 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA EXTRUSIONS		Date	3/24/16		Drawn By	J ROSOWSKI		
Rev A		Rev B		Date		Date			

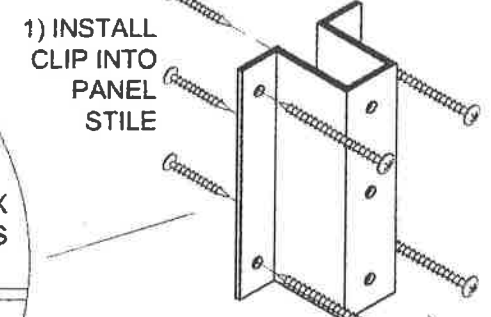
ANTHONY LYNN MILLER
LICENSE
No. 58705
10/6/16
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



(4) ANCHOR TYPE AS USED IN INSTALLATION, TABLE A, SHEET 1

(3) #10 X 1.5" SMS

FIXED PANEL CLIP (23)



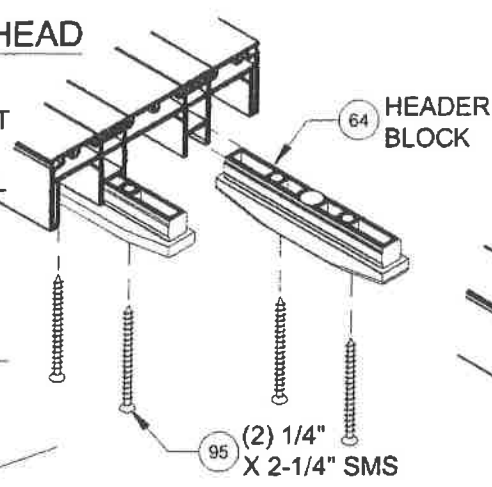
1) INSTALL CLIP INTO PANEL STILE

2) INSTALL CLIP INTO FRAME JAMB & SUBSTRATE, SEE TABLE 1

FIXED PANEL CLIP
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL-TO-FRAME JAMB LOCATION.

HEADER BLOCK TO HEAD ATTACHMENT

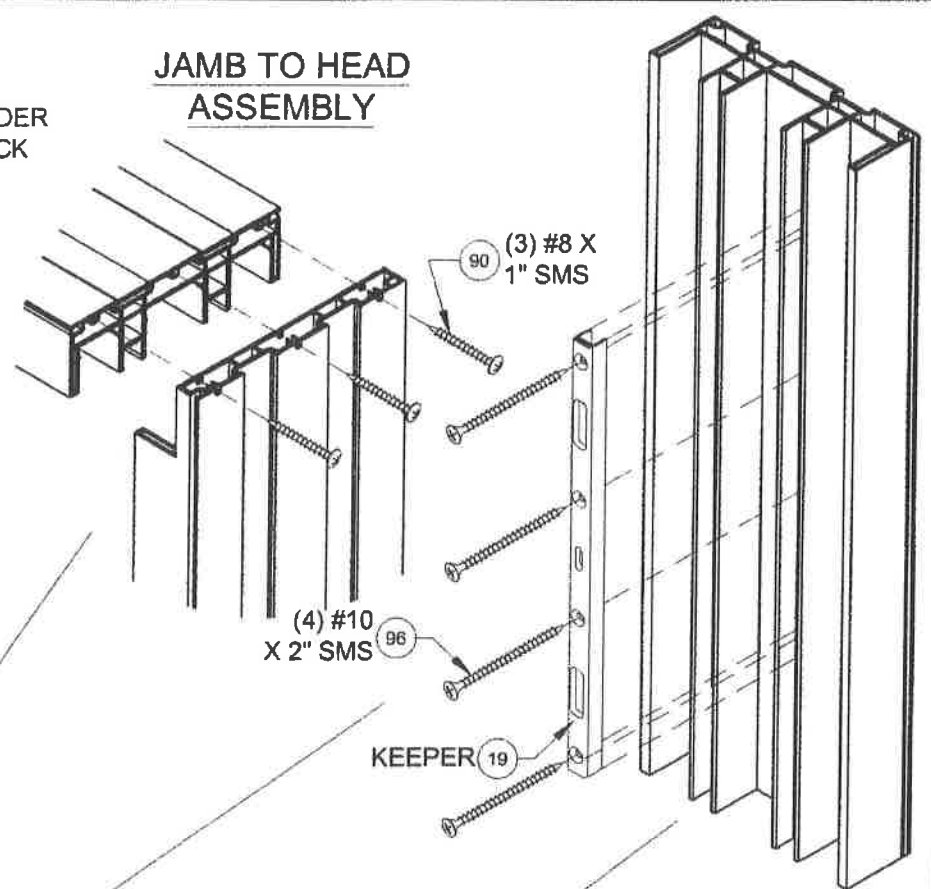
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.



64 HEADER BLOCK

(2) 1/4" X 2-1/4" SMS (95)

JAMB TO HEAD ASSEMBLY

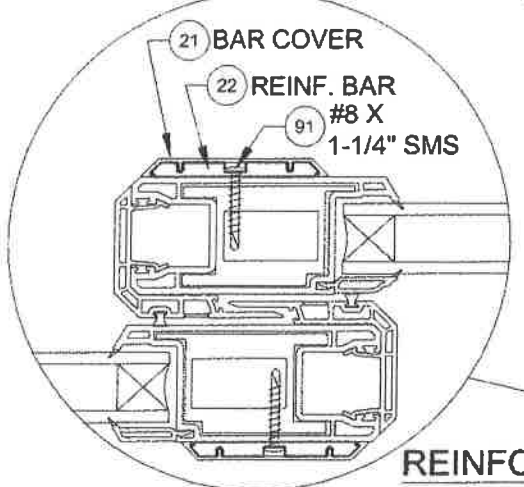


(3) #8 X 1" SMS (90)

(4) #10 X 2" SMS (96)

KEEPER (19)

KEEPER TO JAMB ATTACHMENT

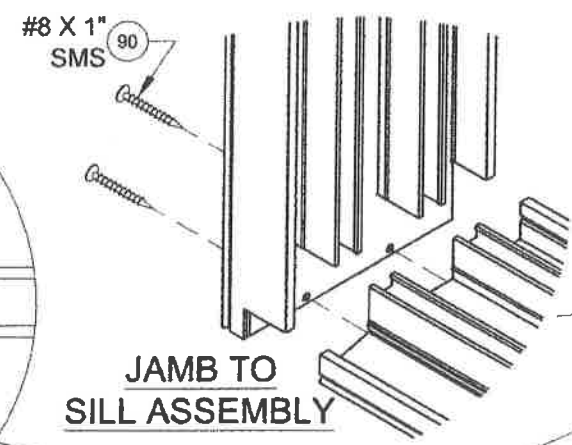


21 BAR COVER

22 REINF. BAR #8 X 1-1/4" SMS (91)

REINFORCEMENT PLATE

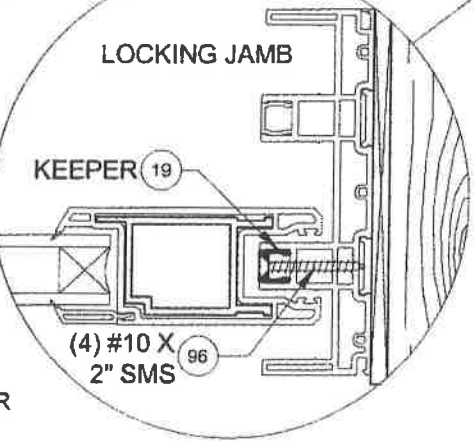
ATTACH WITH #8 X 1-1/4" @ 34-1/2" MAX O.C.



#8 X 1" SMS (90)

JAMB TO SILL ASSEMBLY

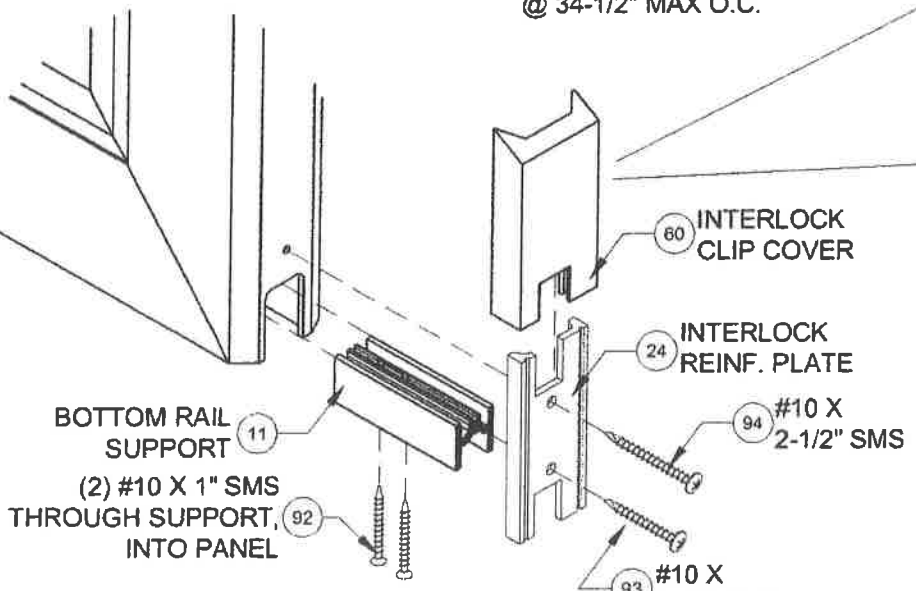
4-PANEL, 2-TRACK OXXX SHOWN



LOCKING JAMB

KEEPER (19)

(4) #10 X 2" SMS (96)



60 INTERLOCK CLIP COVER

24 INTERLOCK REINF. PLATE

#10 X 2-1/2" SMS (94)

#10 X 1-1/2" SMS (93)

BOTTOM RAIL SUPPORT (11)

(2) #10 X 1" SMS THROUGH SUPPORT INTO PANEL (92)

INTERLOCK SILL RETAINER CLIP ATTACHMENT

INSTALL ONE ASSEMBLY AT EACH INTERLOCK

PANEL ASSEMBLY
ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS

NOTES

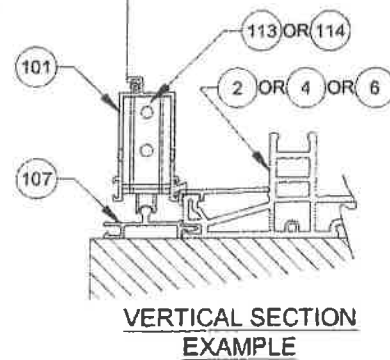
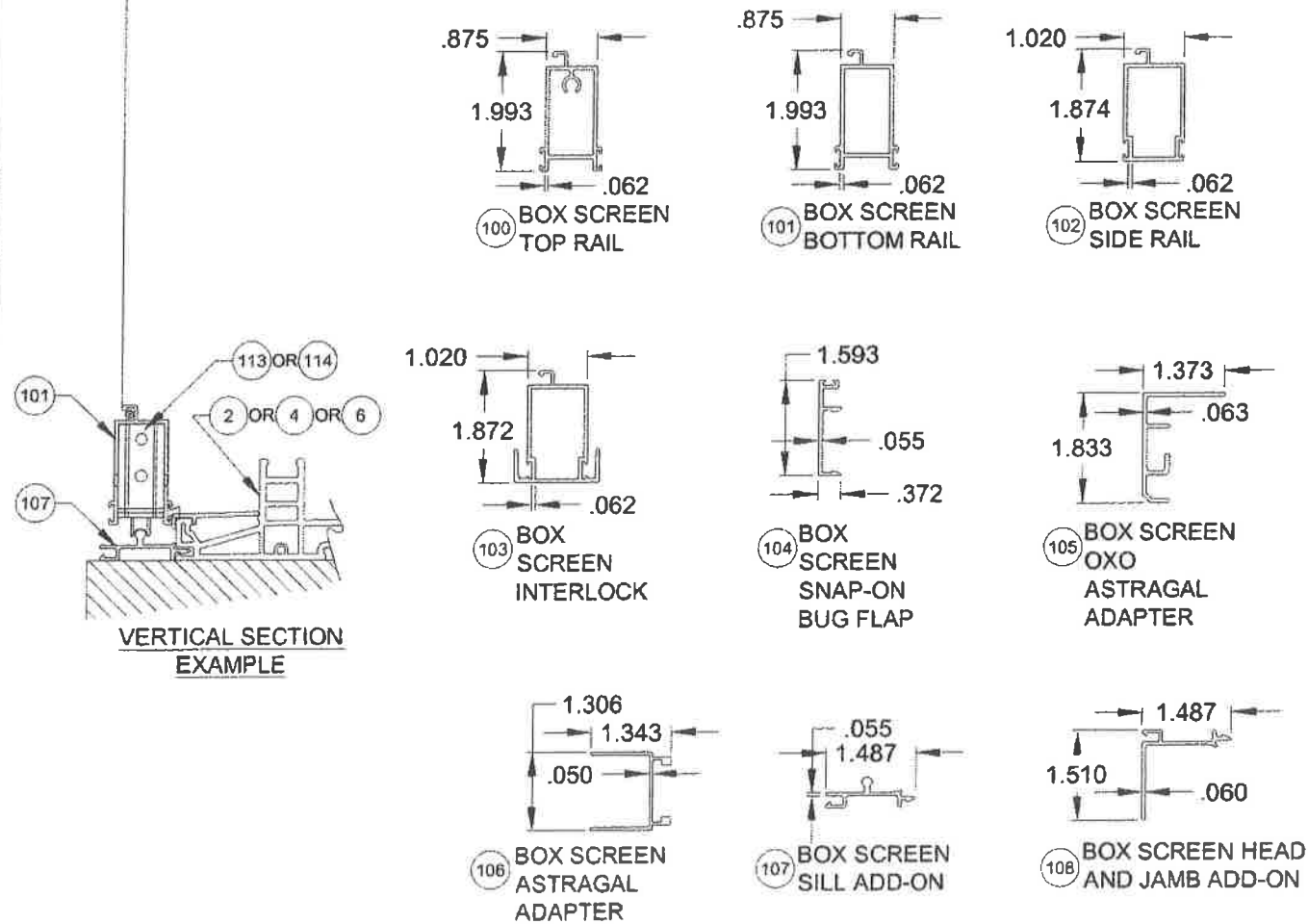
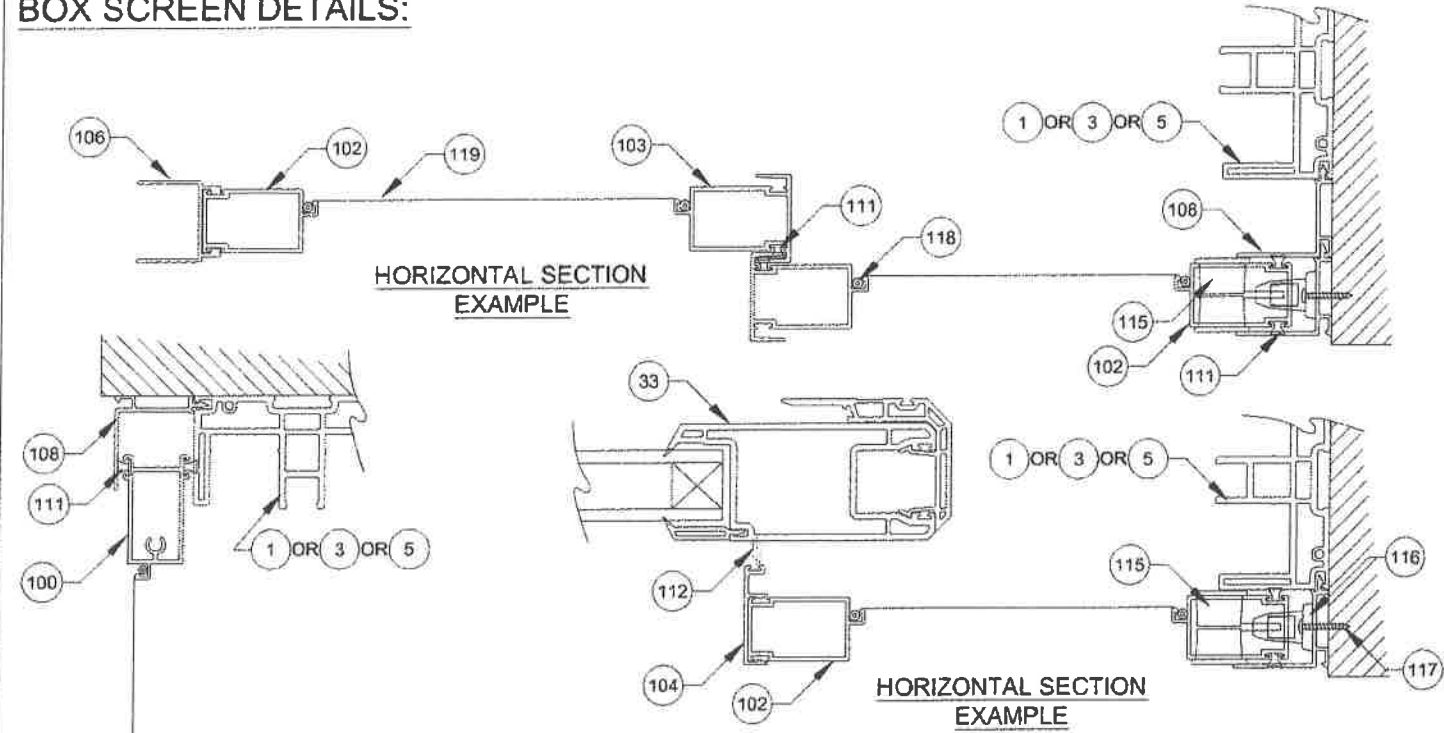
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING.
- 3) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
- 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

PCT
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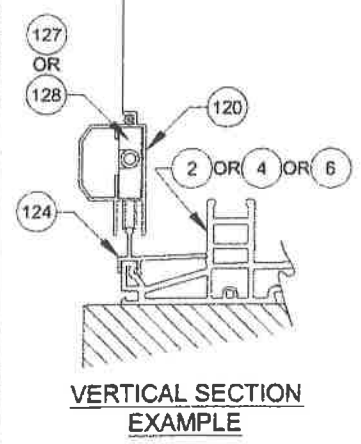
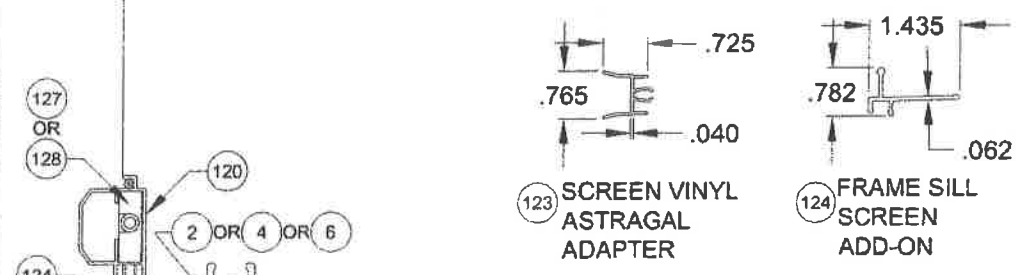
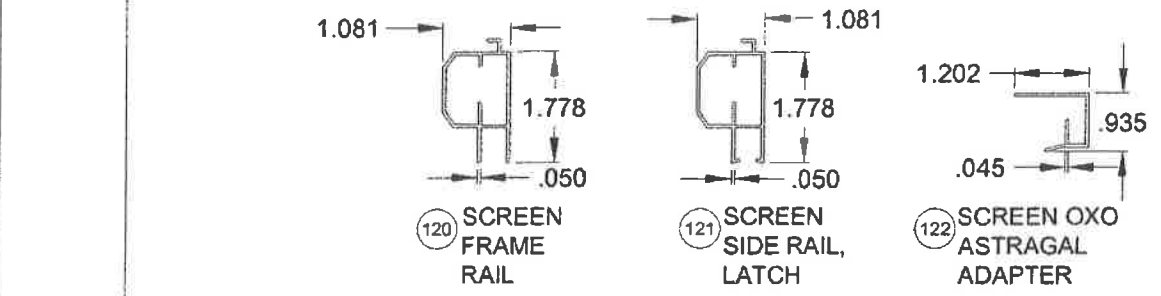
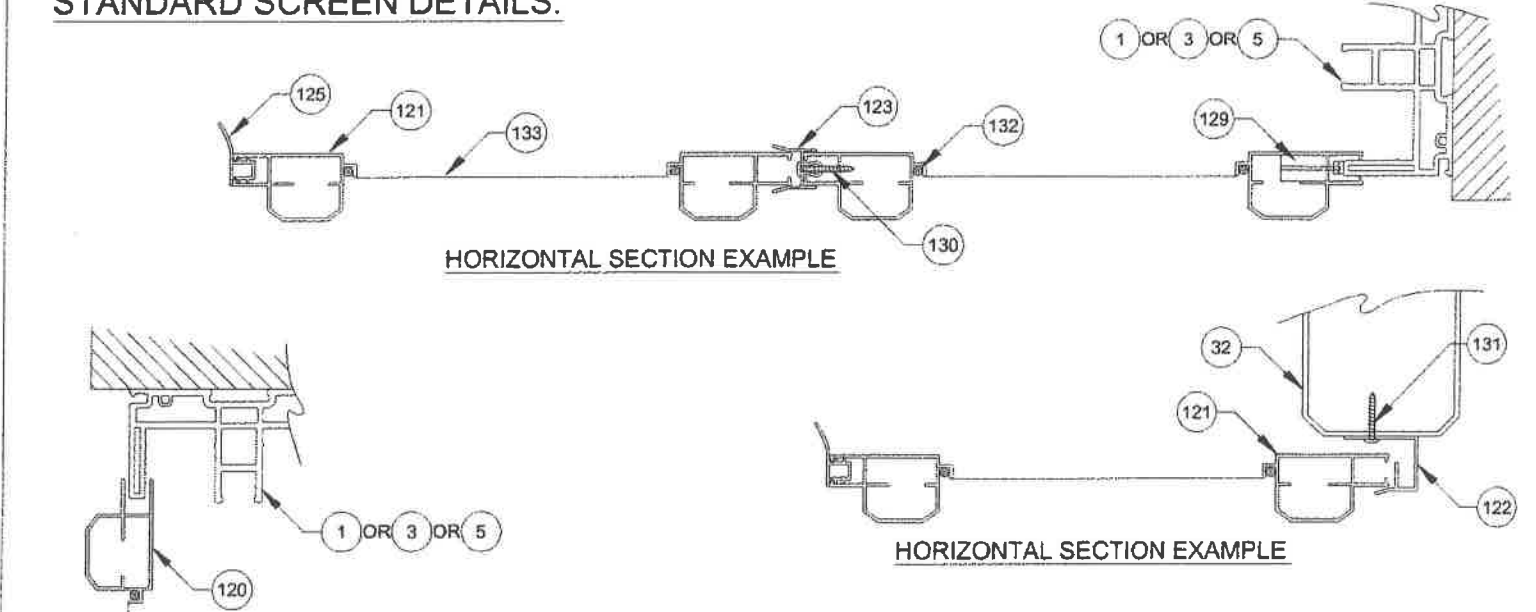
Series	Rev B	Rev A	Desc.	Title	Date
SGD-5470			VINYL SLIDING GLASS DOOR FPA	ACCESSORIES INSTALLATION	3/24/16
Scale	NTS	Sheet	19 OF 25	DWG No.	FPA-SGD5470.2
Drawn By	J ROSOWSKI	Rev A Date	Rev B Date	Rev. No.	

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/6/16
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P.E.# 58705

BOX SCREEN DETAILS:



STANDARD SCREEN DETAILS:



NOTES:
1) ALL DIMENSIONS IN INCHES.

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1070 TECHNOLOGY DRIVE
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(941)-480-1600
CERT. OF AUTH. #29296

Series	SGD-5470	Scale	NTS	Sheet	20 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	SCREEN DETAILS		Drawn By	J ROSOWSKI					
Rev A		Rev A	Date						
Rev B		Rev B	Date						

ANTHONY LYNN MILLER
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10/6/16
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A. LYNN MILLER, P.E.
P.E.# 58705

TABLE C:

#	Part #	Description	Material
1	19001	2-Track Head/Jamb	Rigid PVC
2	19002	2-Track Sill	Rigid PVC
3	19025	3-Track Head/Jamb	Rigid PVC
4	19026	3-Track Sill	Rigid PVC
5	19027	4-Track Head/Jamb	Rigid PVC
6	19028	4-Track Sill	Rigid PVC
7	19009	Frame Screw Cover	Rigid PVC
8	19031	Anchor Plate	6063-T6 Alum.
9	19007	Track Insert	6063-T6 Alum.
10	19084	Interlock Cap - Extended Pocket	Rigid PVC
11	19036	Bottom Rail Support	6063-T6 Alum.
12	19006A	Outer Sill Cover	6063-T6 Alum.
13	19011	Sill Track Cover	Rigid PVC
17	19032	P-Hook Adapter	6063-T6 Alum.
18	19020	P-Hook	6063-T6 Alum.
19	19047M	Extended Keeper	6063-T6 Alum.
20	19029M	Keeper	6063-T6 Alum.
21	19014	Reinforcement Bar Cover	Rigid PVC
22	19030	Reinforcement Bar	6005-T5 Alum.
23	19037M	Fixed Panel Clip	6063-T6 Alum.
24	19035M	Reinforcement Plate	6063-T6 Alum.
25	19017M	Top Rail, Bottom Rail and Lockstile	6005-T5 Alum.
26	19046	Reinforcement	Composite
27	19018M	Interlock .300 Reinforcement, Std.	6005-T5 Alum.
28	19013M	Interlock .400 Reinforcement, HD	6005-T5 Alum.
29	19019M	Astragal Reinforcement	6005-T5 Alum.
30	19083	Extended Pocket Interlock Adaptor	6063-T6 Alum.
31	19006	Interlock Adaptor	Rigid PVC
32	19008	Astragal Add-on	Rigid PVC
33	19004	Panel Stile, Top/Bottom Rail	Rigid PVC
34	19040	Interior Jamb Cover	6063-T6 Alum.
35	19076	135° Corner Astragal	6063-T6 Alum.
36	19077	135° Corner Astragal Passive Mount	6063-T6 Alum.
37	19079	135° Corner Astragal Cap - Ext.	Rigid PVC
38	19080	135° Corner Astragal Cap - Int.	Rigid PVC
39	19078	90° Corner Astragal	6063-T6 Alum.

#	Part #	Description	Material
40	19081	90° Corner Astragal Cap - Ext.	Rigid PVC
41	19082	90° Corner Astragal Cap - Int.	Rigid PVC
42	19085	Sill Riser - (2-1/2")	6063-T6 Alum.
43	19022A	Sill Riser - (3-1/2")	6063-T6 Alum.
44	19023A	Sill Riser - (4-1/16")	6063-T6 Alum.
45	19024A	Sill Riser - (4-5/8")	6063-T6 Alum.
50	718609W	.187" x .320" Finseal (Stile)	
51	71695K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug	
52	71696	Dust Plug	
60	419041	Interlock Clip Cover	PVC
61	78153X	Tandem Roller Assembly	SS
62	78153N	Tandem Roller Assembly	Nylon
63	78X75FPTX	#8 x 3/4" Ph. FH SMS @ Roller & Reinf.	SS
64	419042	Frame Header Block	Nylon
65	48052	Roller Adj. Hole Plug	PVC
66	44385	4 Hole Bumper Stop	PVC
67	76X114FPTX	#6 x 1-1/4" Ph. FH SMS @Bumper Stop	SS
68	71696G	Sill Plug	PVC
69	78185X	Gemini Mortise Lock w/long Trim plate	Steel/SS
70	71032X1FPFX	10-32 x 1" Ph.FH MS @ Lock	SS
71	varies	Handle Kit	Cast Zinc
75		Kommerling 4SG TPS Spacer System	See Sheet
76		Quanex Super Spacer nXT with Hot Melt Butyl	10 for
77		Quanex Duraseal	Materials
78		Cardinal XL Edge Spacer	
79		Dow Coming 995 or GE-7700 Backbedding	Silicone
82	19044	1-1/16" Beveled Bead	Rigid PVC
83	19045	1-1/16" Ogee Bead	Rigid PVC
86	71726K	Setting Block 1" x 4" x 1/16", 85 +/- 5 duro.	Neoprene
90	781PSTX	#8 x 1" Ph. PH SMS @ Frame Assembly	SS
91	78X114PHPT410X	#8 x 1-1/4" Ph. PH SMS @ Reinf. Bar	SS
92	710X1PHPT18-8X	#10 x 1" Ph. PH SMS @ Rail Support	SS
93	710X115PPX	#10 x 1-1/2" Ph. PH SMS @ Fxd. Pnl. Clip	SS
94	710X2.5PHPT18-8X	#10 x 2-1/2" Ph. PH SMS @ Reinf. Plate/Ast.	SS
95	71420X2.25FPFX	#12 x 2-1/4" Ph. PH SMS @ Hdr. Block	SS
96	710X1.75PPX	#10 x 1-3/4" Ph. FH SMS @ Keeper	SS
97	710X34PPX	#10 x 3/4" Ph. PH SMS @ Ext. Pkt. Int.	SS

TABLE D: BOX SCREEN

#	Part #	Description	Material
100	12256	Box Screen Top Rail	6063 T5 Al
101	12257	Box Screen Bottom Rail	6063 T5 Al
102	12258	Box Screen Side Rail	6063 T5 Al
103	64428	Box Screen Interlock	6063 T6 Al
104	17347A	Box Screen Snap-on Bug Flap	6063 T6 Al
105	64345	Box Screen OXO Astragal Adapter	6063 T6 Al
106	17349	Box Screen Astragal Adapter	6063 T5 Al
107	19039	Box Screen Frame Sill Add-on	6063 T6 Al
108	19038	Box Screen Head/Jamb Add-on	6063 T6 Al
109	720X1X	#14-20 x 1" MS @ Top Rail	SS
110	720X112X	#14-20 x 1-1/2" MS @ Bottom Rail	SS
111	71793G	Wstp. .270" x .150" - Fin Seal	
112	61805K	Wstp. .187" x .500" @ Bug Flap	
113	7SRAX	Standard Roller	Nylon
114	7SRAX	HD Roller	SS
115	varies	Screen Locking Hardware	Steel
116	419053	Screen Keeper	Steel
117	76X1PPA	#6 x 1" Ph. PH SMS	Steel
118	1692/3/4	Screen Spline - .150" & .165"	Vinyl
119	1816C20	Screen Cloth	Fiberglass

TABLE E: STANDARD SCREEN

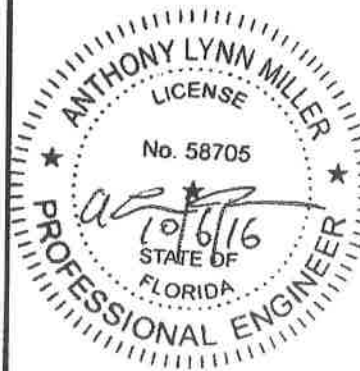
#	Part #	Description	Material
120	12033	Screen Frame Rail	6063 T5 Al
121	12026A	Screen Frame - Side Rail (Latch)	6063 T5 Al
122	17363	Screen OXO Astragal Adapter	6063 T6 Al
123	4853K	Screen Vinyl Astragal Adapter	Rigid PVC
124	19012B	Frame Sill Screen Add-on	6063 T6 Al
125	6FP95K	Bug Flap, 85 +/- 5 duro.	Vinyl
126	78X112PSATS	#8 x 1-1/2" Ph. PH SMS (Assembly)	SS
127	712027	Corner Key Wheel Assembly (Standard)	Nylon
128	712027SS	Corner Key Wheel Assembly (HD)	SS
129	varies	Screen Locking Hardware	Steel
130	710X34PPSDAX	#10 x 3/4" Ph. PH SMS @ Screen Ast.	SS
131	78X12PPSMSX	#8 x 1/2" Ph. PH SMS @ Door Ast.	SS
132	1692/3/4	Screen Spline - .145"	Vinyl
133	1816C20	Screen Cloth	Fiberglass

NOTES:
1) ITEMS # 14-16, 46-49, 53-59, 72-74, 80, 81, 84, 85, 87-89, 98 & 99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.



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Series	Rev 1	Rev 2	Rev 3	Rev 4	Rev 5	Rev 6	Rev 7	Rev 8	Rev 9	Rev 10	
VINYL SLIDING GLASS DOOR FPA										Date	3/24/16
PARTS LIST										Drawn By	J ROSOWSKI
SGD-5470										Scale	NTS
21 OF 25										Sheet	
FPA-SGD5470.2										DWG No.	
										Rev. No.	



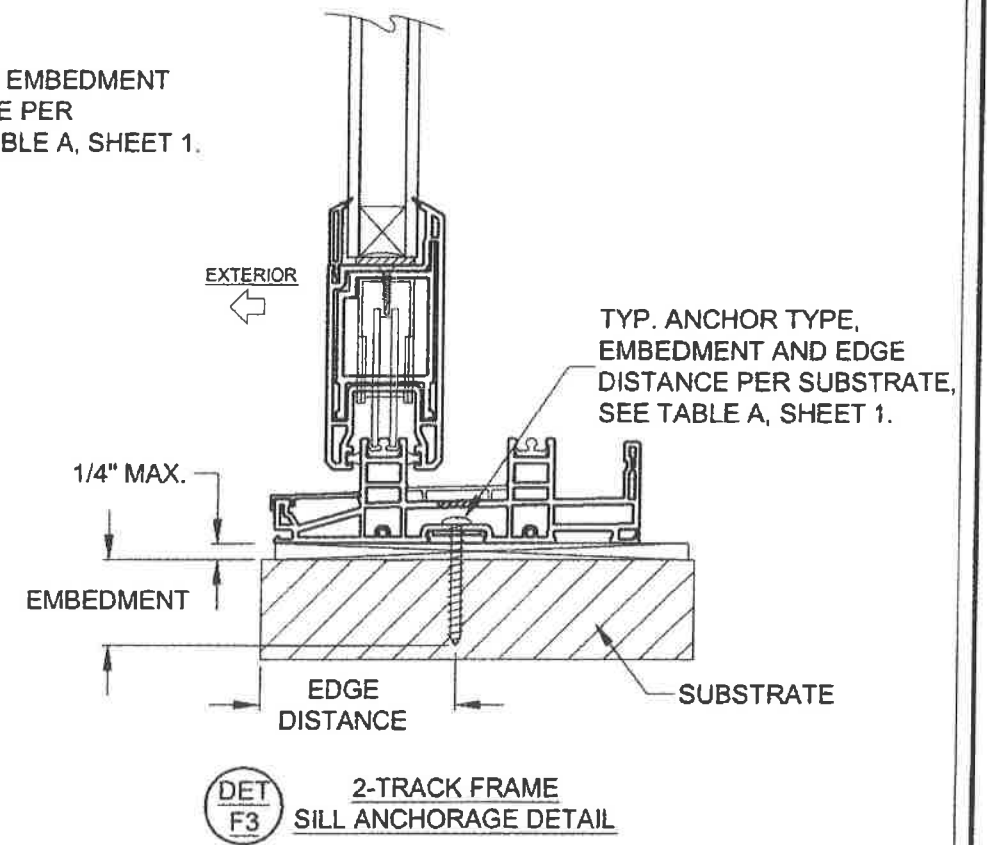
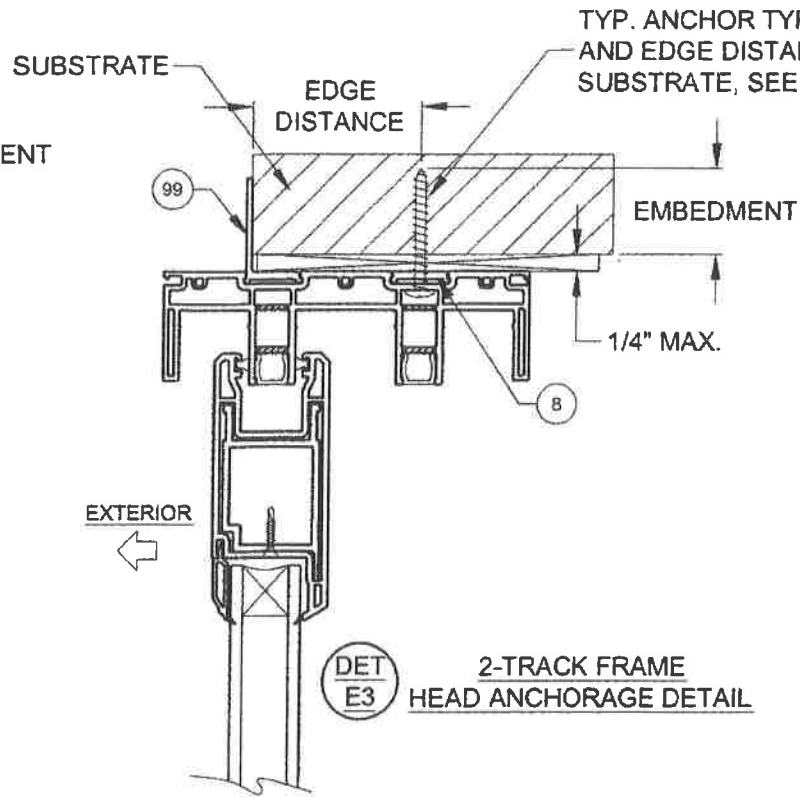
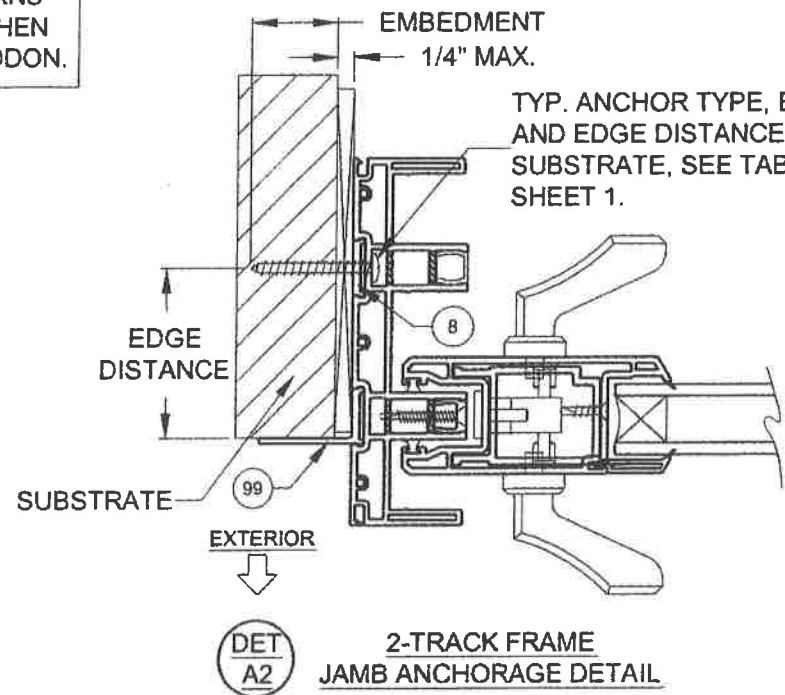
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

ANCHORAGE DETAILS FOR SLIDING GLASS DOORS WHEN INSTALLED WITH FRAME FIN ADDON @ HEAD AND JAMB (SHEETS 22-25)

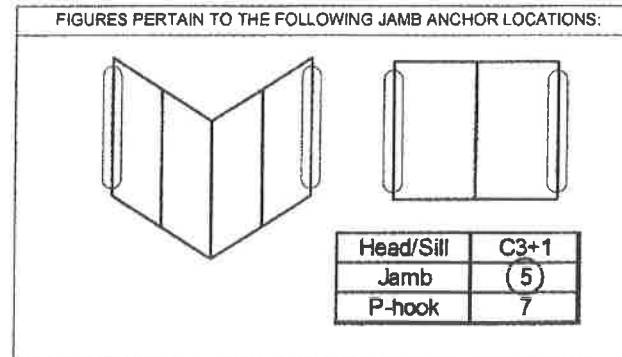
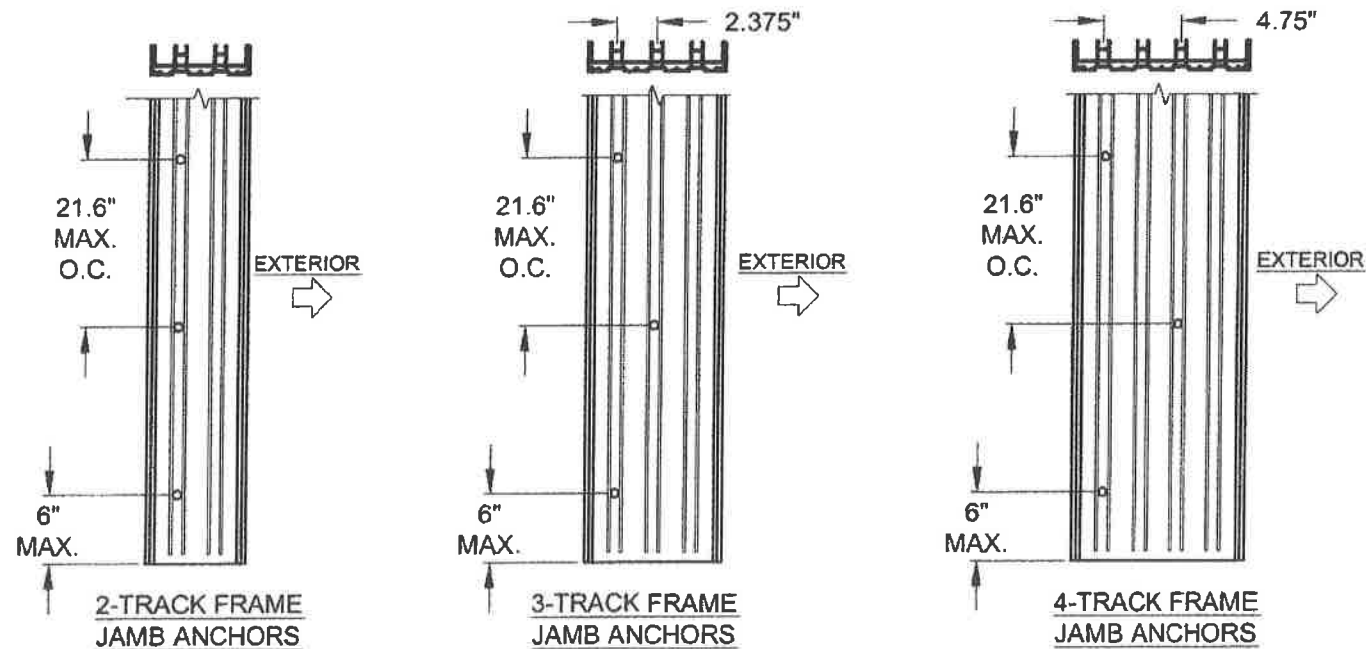
TO ACHIEVE PROPER ANCHOR EDGE DISTANCE, THE FOLLOWING SHEETS (22-25) SHOW ANCHOR PATTERNS THAT MUST BE USED WHEN USING THE FRAME FIN ADDON.

NOTES

- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
- 2) REFER TO TABLE A FOR ANCHOR CONSTRAINTS.
- 3) SILL ANCHORAGE WITH FIN ADDON IS UNCHANGED FROM THE BOX FRAME ANCHORAGE.



JAMB ANCHORS LAYOUT (USING FRAME FIN ADDON):



NOTES:

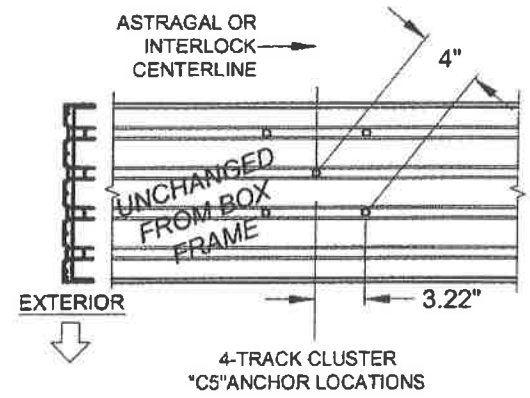
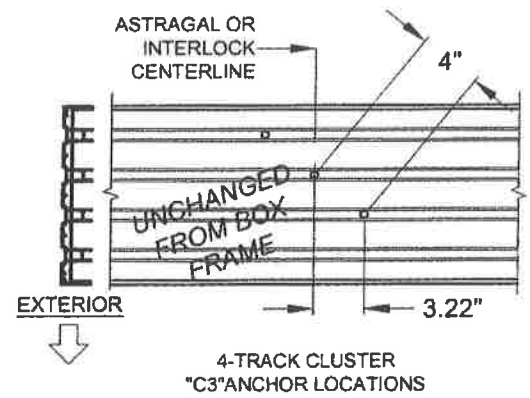
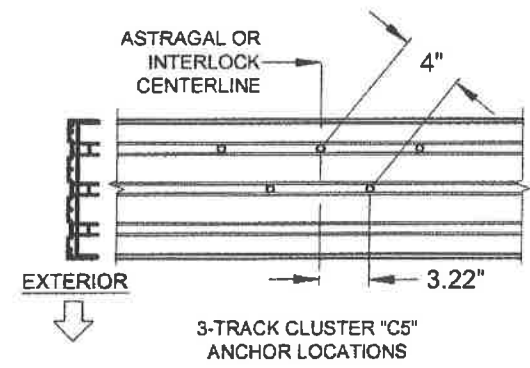
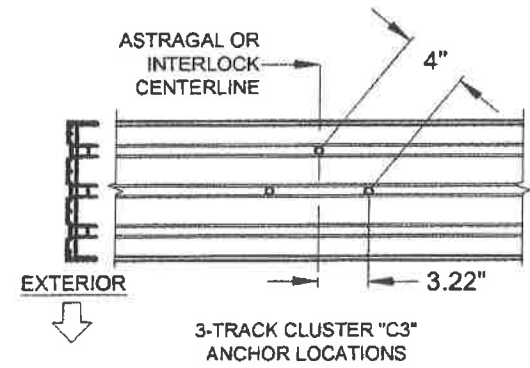
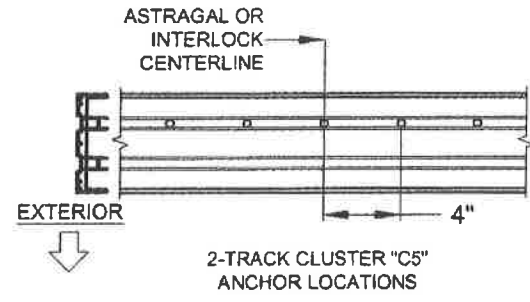
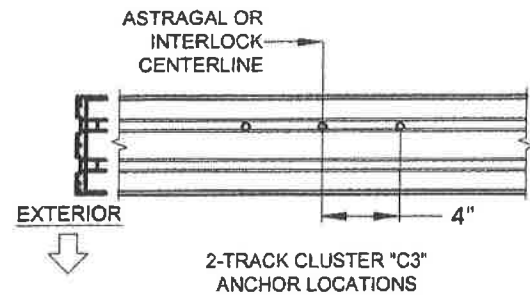
- 1) STANDARD ANCHOR LOCATIONS SHOWN. FOR 3 AND 4-TRACK JAMBS, ANCHORS IN THE INTERIOR TRACK MAY BE LOCATED IN THE ADJACENT TRACK AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS FROM THE INTERIOR.

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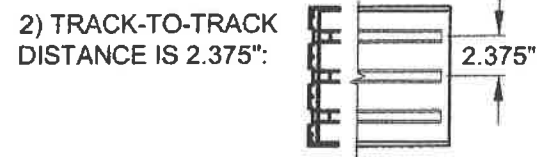
Series	SGD-5470	Scale	NTS	Sheet	22 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.	
Title	VINYL SLIDING GLASS DOOR FPA		Date	3/24/16					
Desc.	ANCHOR LOCATIONS A		Drawn By	J ROSOWSKI					
Rev A	Date	Rev B	Date						

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 10/6/16
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 FLORIDA
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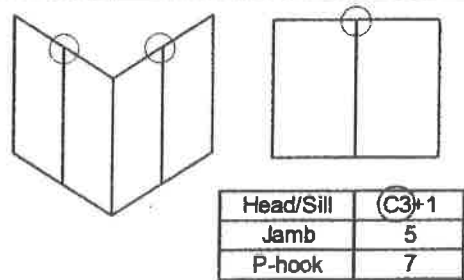
HEAD CLUSTER ANCHORS LAYOUT (USING FRAME FIN ADDON):



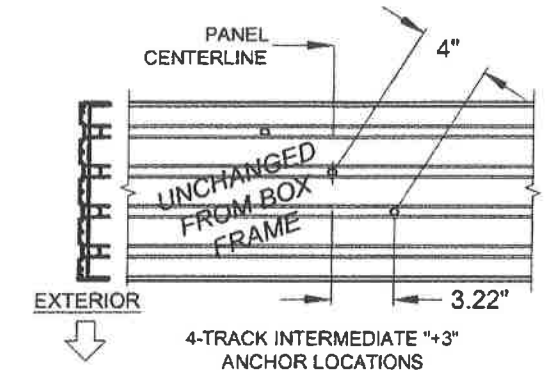
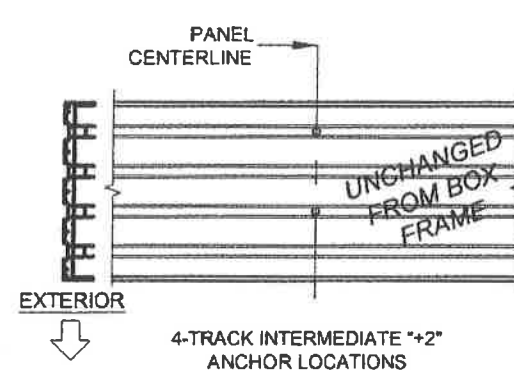
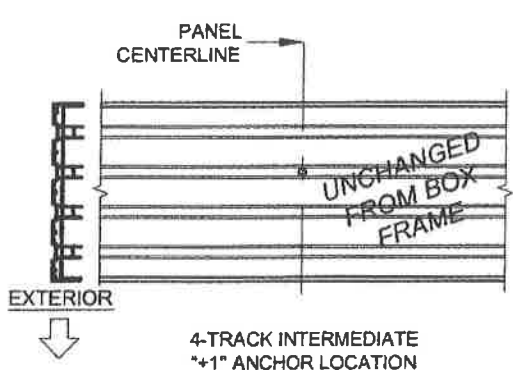
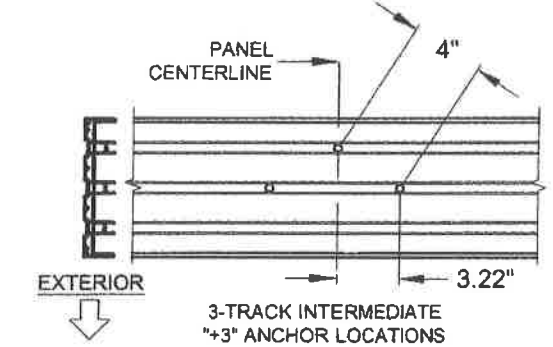
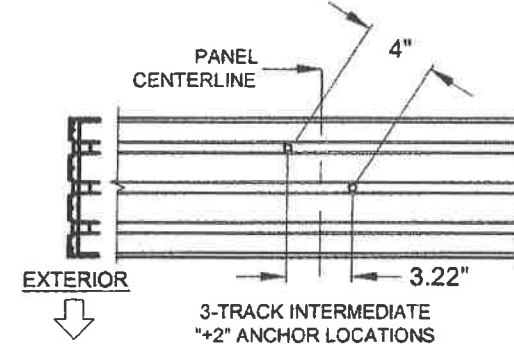
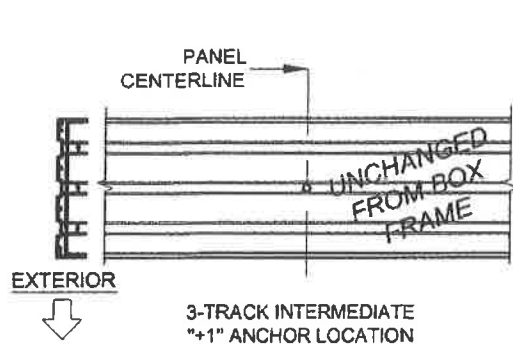
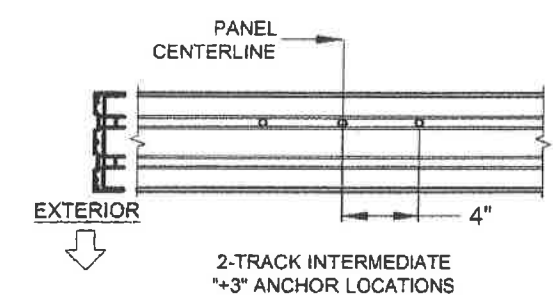
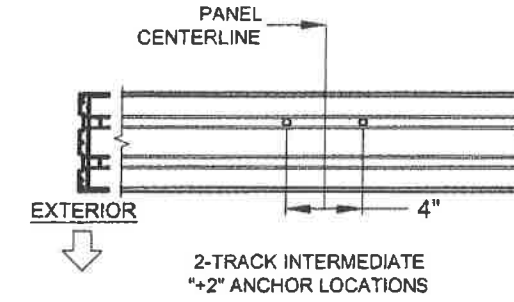
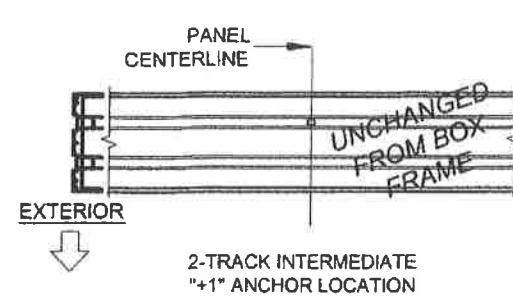
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.



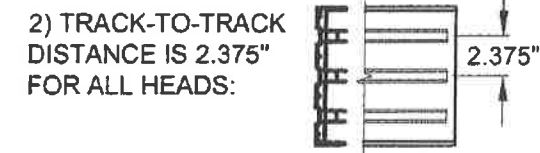
FIGURES PERTAIN TO THE FOLLOWING HEAD CLUSTER ANCHOR LOCATIONS:



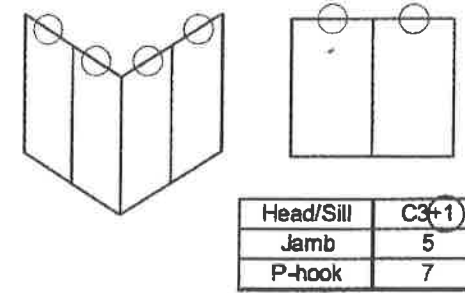
HEAD "+" INTERMEDIATE ANCHORS LAYOUT (USING FRAME FIN ADDON):



NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.



FIGURES PERTAIN TO THE FOLLOWING HEAD INTERMEDIATE ANCHOR LOCATIONS:

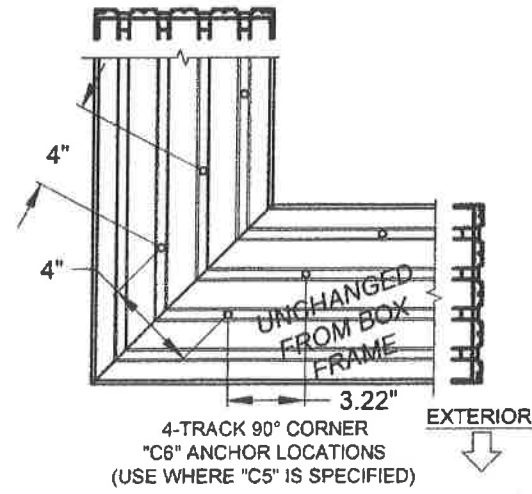
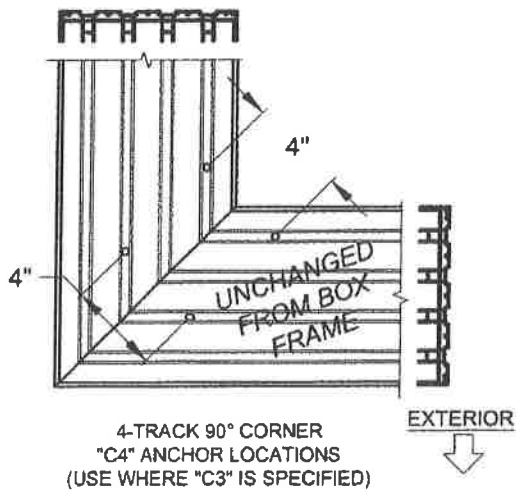
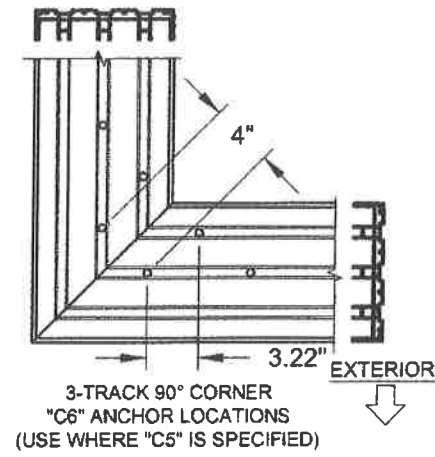
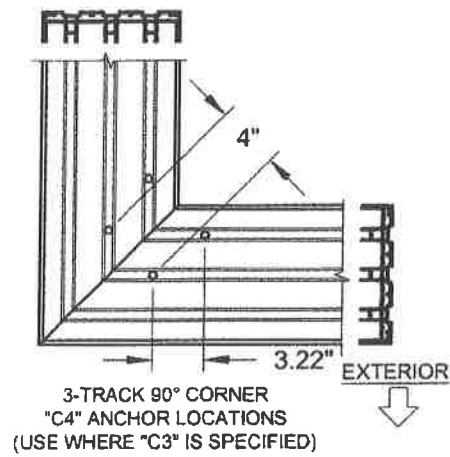
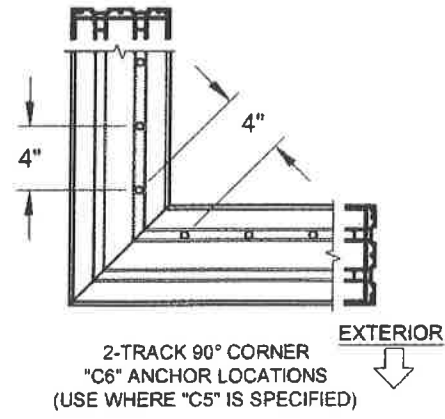
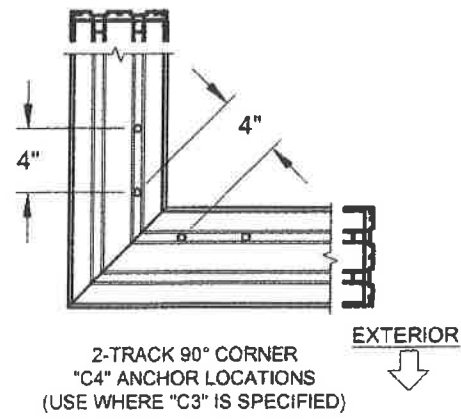


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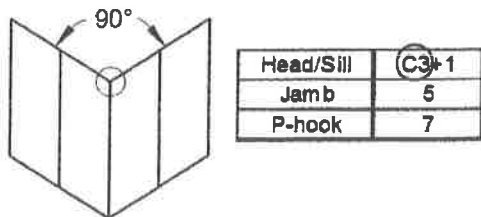
Series	Rev 2	Rev 1	Desc.	Title	Date
			VINYL SLIDING GLASS DOOR FPA	ANCHOR LOCATIONS B	3/24/16
				Drawn By	J ROSOWSKI
				Rev 2	Rev 1
				Date	Date
SGD-5470	Scale	NTS	Sheet	23 OF 25	DWG No. FPA-SGD5470.2
					Rev. No.

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P.E.# 58705

HEAD 90° CORNER CLUSTER ANCHORS LAYOUT (USING FRAME FIN ADDON):

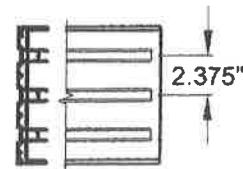


FIGURES PERTAIN TO THE FOLLOWING 90° CORNER HEAD ANCHOR LOCATIONS:

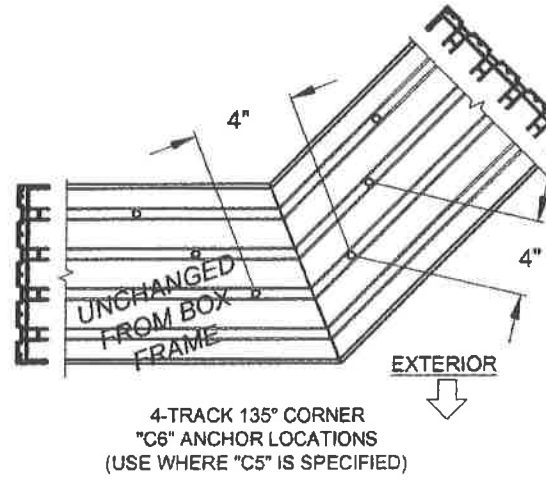
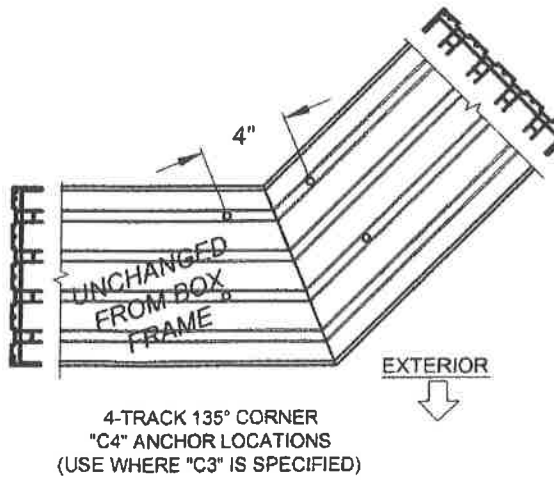
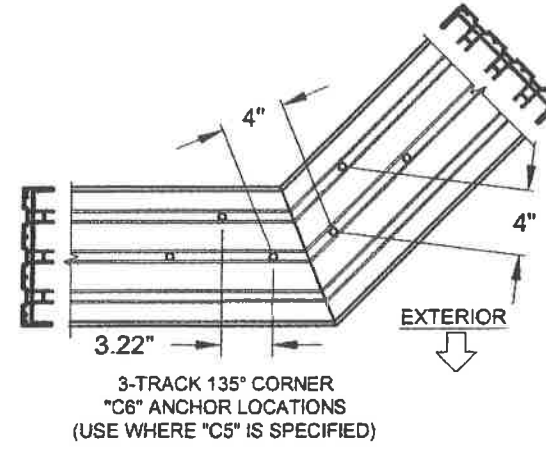
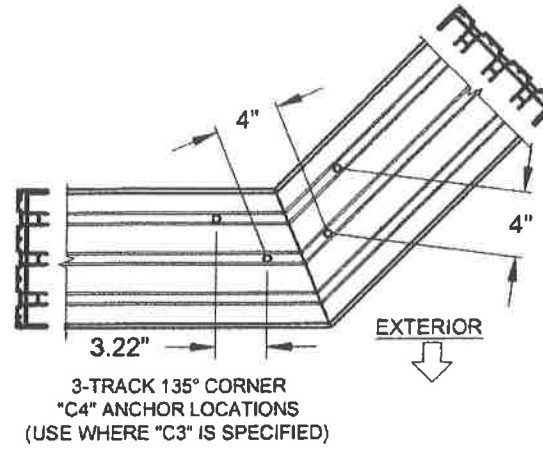
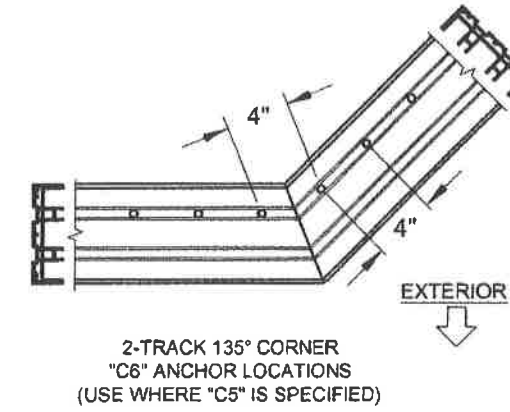
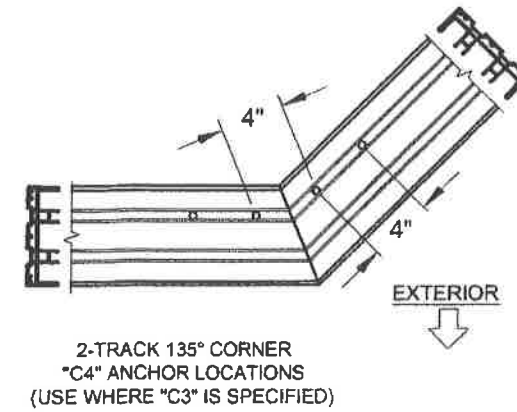


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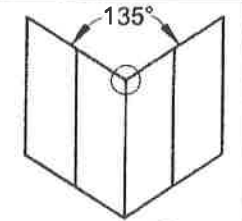
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING, AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.
- 3) TRACK-TO-TRACK DISTANCE IS 2.375":



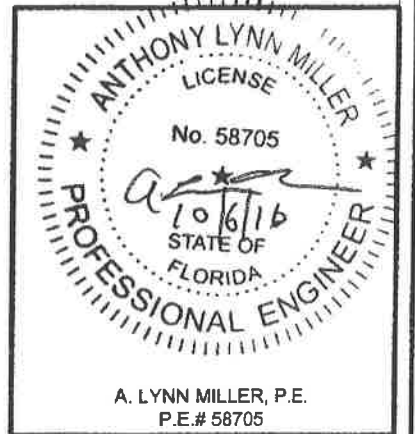
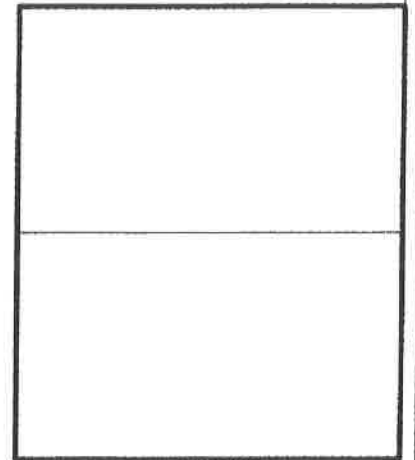
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT (USING FRAME FIN ADDON):



FIGURES PERTAIN TO THE FOLLOWING 135° CORNER HEAD ANCHOR LOCATIONS:



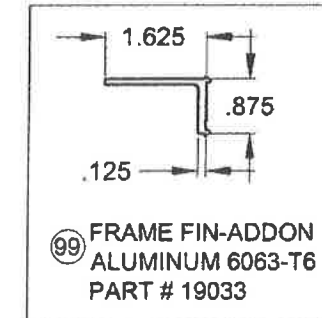
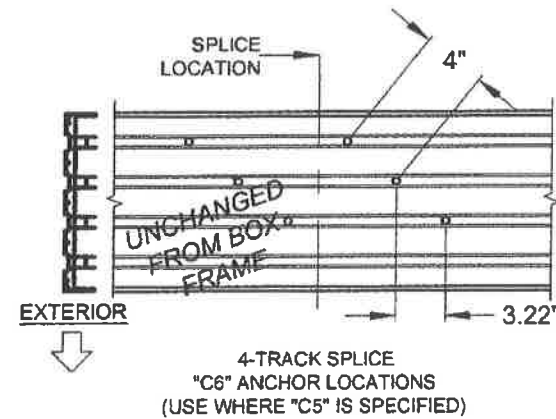
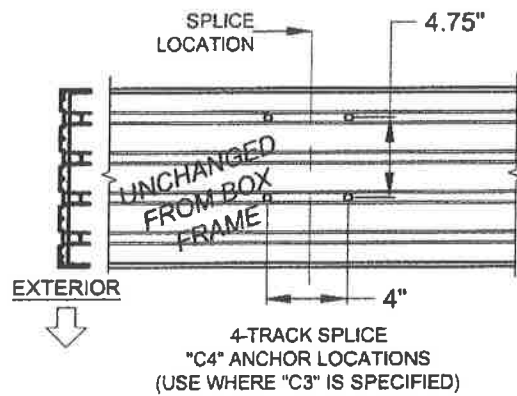
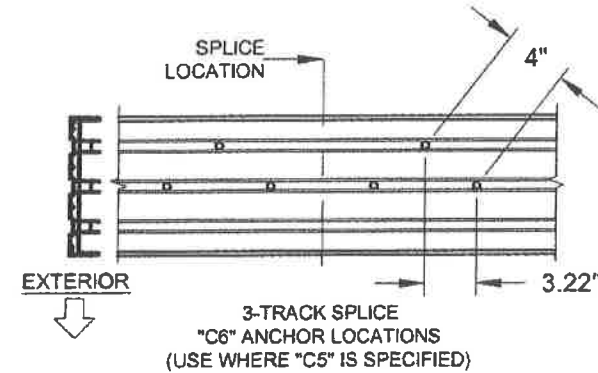
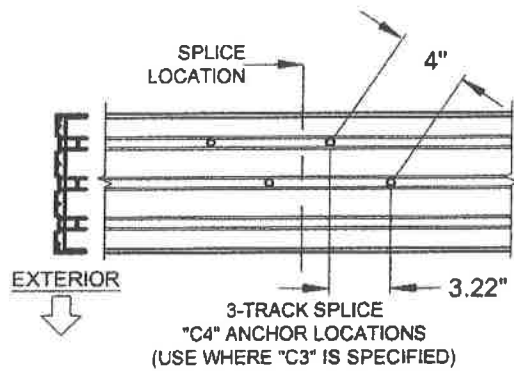
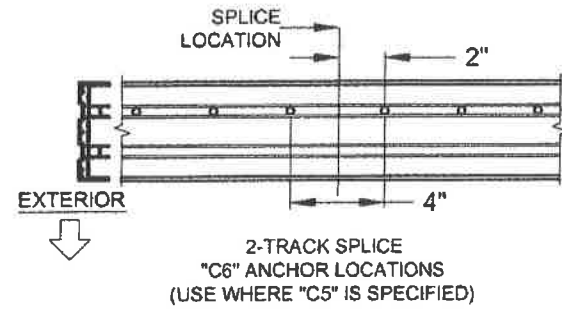
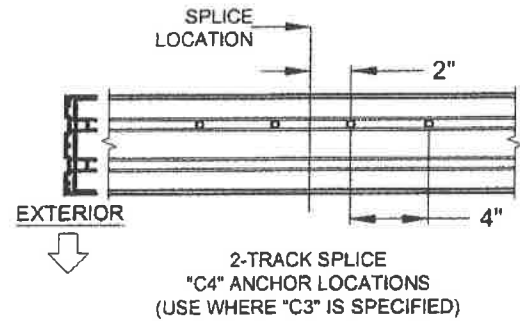
Head/Sill	(C3)+1
Jamb	5
P-hook	7



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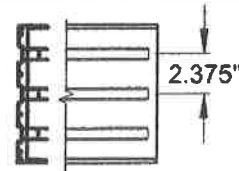
Series	Rev 2	Rev 1	Dec.	Title	VINYL SLIDING GLASS DOOR FPA	Date	3/24/16
Drawn By	J ROSOWSKI			ANCHOR LOCATIONS C			
Rev 2	Rev 1	Date	Date				
SGD-5470	Scale	NTS	Sheet	24 OF 25	DWG No.	FPA-SGD5470.2	Rev. No.

HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL (USING FRAME FIN ADDON):

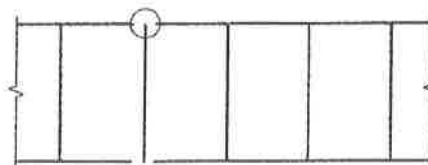


NOTES:

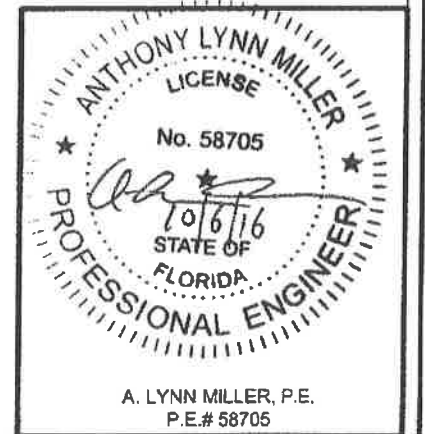
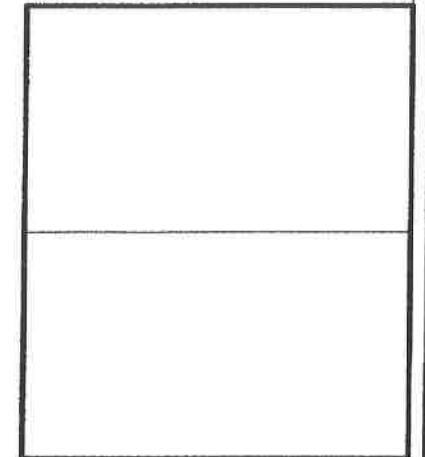
- 1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
- 2) ABOVE FIGURES ARE FOR SPLICES OCCURRING AT THE ASTRAGAL OR INTERLOCK. FOR SPLICES OCCURRING INSIDE OF A POCKET, SEE THE EXAMPLE ON SHEET 9.
- 3) TRACK-TO-TRACK DISTANCE IS 2.375":



FIGURES PERTAIN TO THE FOLLOWING SPLICED HEAD ANCHOR LOCATIONS:



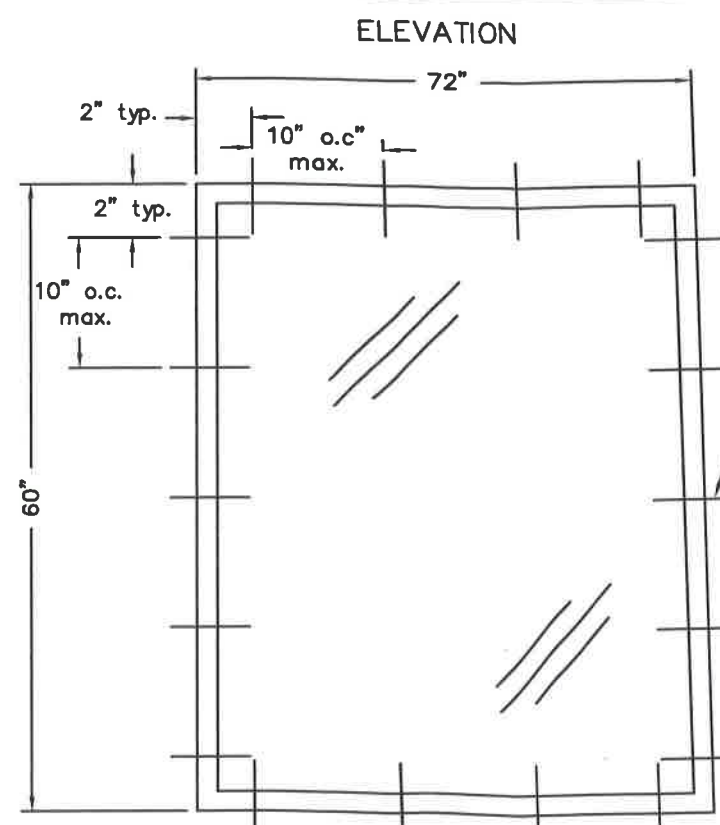
Head/Sill	(C3)-1
Jamb	5
P-hook	7



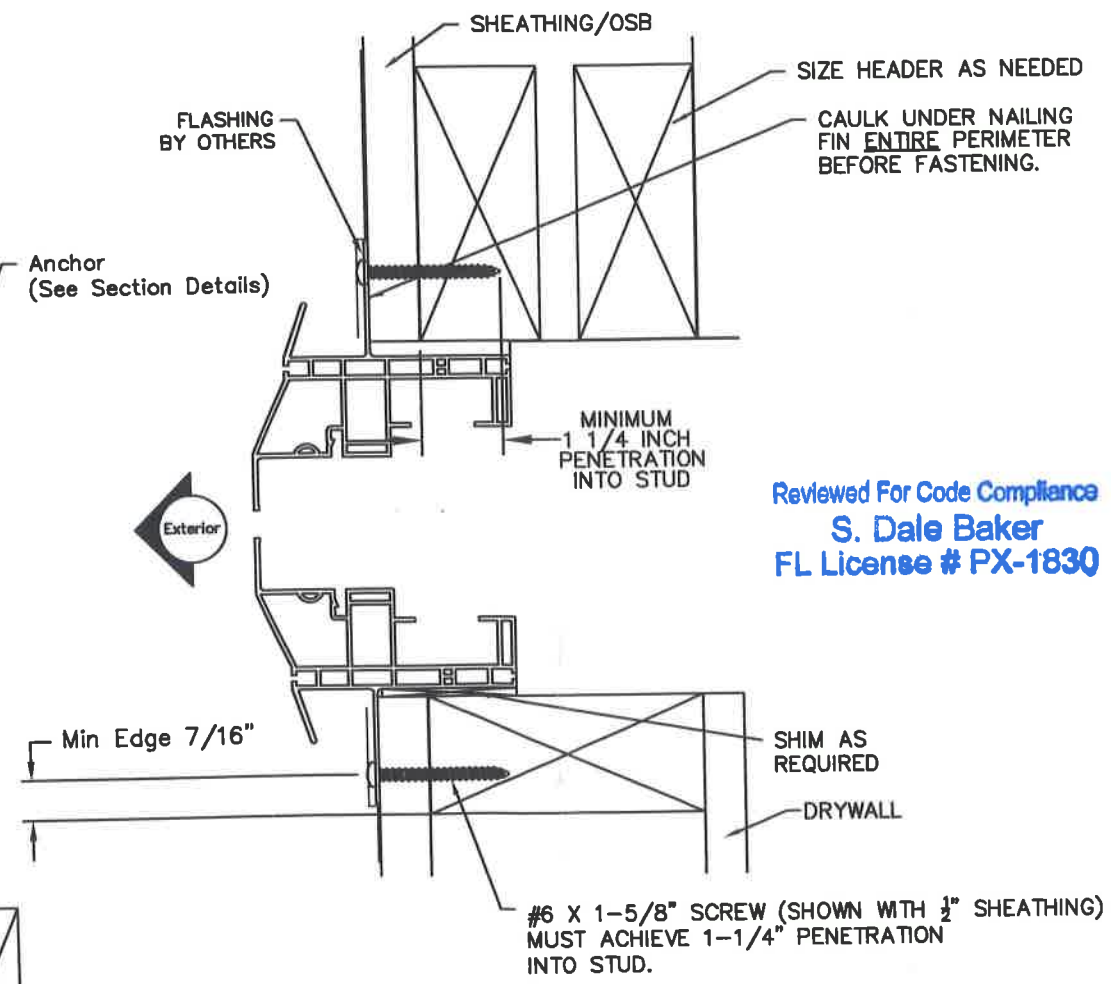
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P.E.# 58705

RGT
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600
CERT. OF AUTH. #29296

Series	Rev 2	Rev 1	Dec.	Title	Date
				VINYL SLIDING GLASS DOOR FPA	3/24/16
			Drawn By	J ROSOWSKI	
			Rev 2	Rev 1	
			Date	Date	
SGD-5470	Scale	NTS	Sheet	25 OF 25	DWG No. FPA-SGD5470.2
					Rev. No.

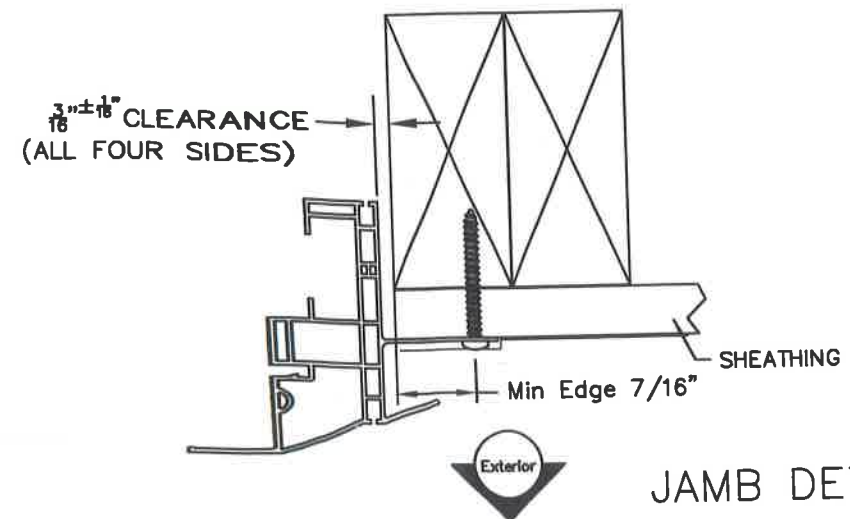


HEAD DETAIL



Reviewed For Code Compliance
S. Dale Baker
 FL License # PX-1830

SILL DETAIL



JAMB DETAIL

Notes:

1. Installation depicted based off of structural test report # B9099.01-109-47.
2. Wood screws shall satisfy the National Design Specification for Wood Construction for material type and dimensional requirements.
3. Wood buck installations are assumed 2x S-P-F (G=0.42) or denser. Buck width shall be greater than the window frame width. Tapered or partial width bucks are not allowed. Wood buck shall be secured to the structure to resist all design loads.
4. Wood screw lengths shall be sufficient to guarantee 1-1/4" penetration into wood buck.
5. Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be load bearing, non-compressible type.
6. These drawings depict the details necessary to meet structural load requirements. They do not address the air infiltration, water penetration, intrusion or thermal performance requirements of the installation.
7. Installation shown is that of the test window for the size shown and the design pressure claimed. For window sizes smaller than shown, locate jamb fasteners approx 2" from corners and no more than 10" on center. Locate head/sill fasteners approx 2" from corners and no more than 10" on center. Design pressures of smaller window sizes are limited to that of the test window.

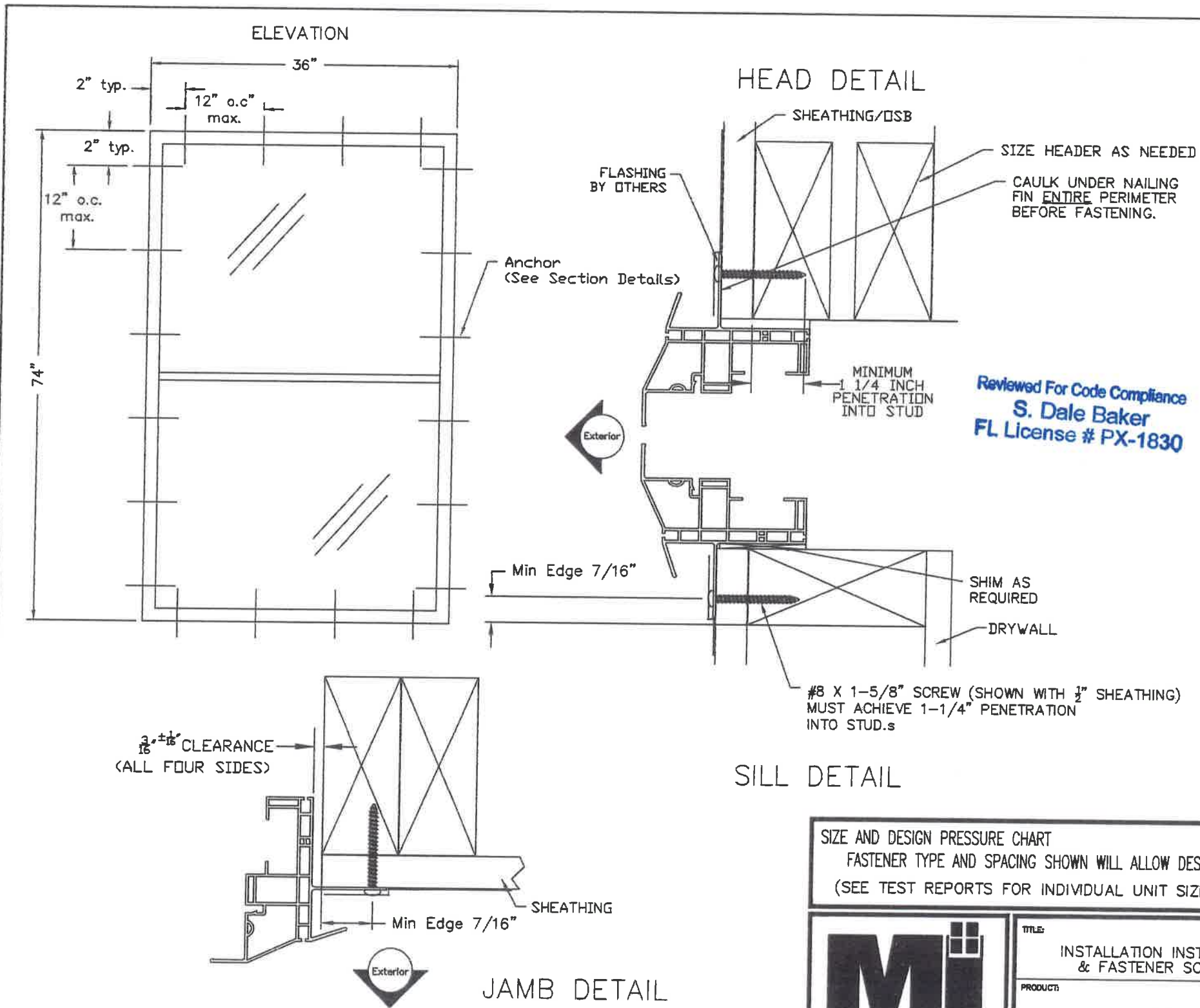
SIZE AND DESIGN PRESSURE CHART
 FASTENER TYPE AND SPACING SHOWN WILL ALLOW DESIGN PRESSURES UP TO +75 / -75 UNITS UP TO 72" x 60"
 (SEE TEST REPORTS FOR INDIVIDUAL UNIT SIZE AND APPLICABLE DESIGN PRESSURE LIMITATIONS)



TITLE:	INSTALLATION INSTRUCTIONS & FASTENER SCHEDULE - FIN-
PRODUCT:	3500HP Picture Window

DRAWN BY:	V.M.R.	DATE:	10/1/08
CHECKED:		DATE:	
SCALE:	NONE	SHEET:	1 of 1
DWG. NO.	3500HP PW FIN	REV.	-

* "NAIL FIN" IS A GENERIC TERM WHICH MEANS "MOUNTING FLANGE" (NOT TO BE CONFUSED WITH "1/2" FRONT FLANGE)



- Notes:
1. Installation depicted based off of structural test report #C7327.01-109-47.
 2. Wood screws shall satisfy the National Design Specification for Wood Construction for material type and dimensional requirements.
 3. Wood buck installations are assumed 2x S-P-F (G=0.42) or denser. Buck width shall be greater than the window frame width. Tapered or partial width bucks are not allowed. Wood buck shall be secured to the structure to resist all design loads.
 4. Wood screw lengths shall be sufficient to guarantee 1-1/4" penetration into wood buck.
 5. Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be load bearing, non-compressible type.
 6. These drawings depict the details necessary to meet structural load requirements. They do not address the air infiltration, water penetration, intrusion or thermal performance requirements of the installation.
 7. Installation shown is that of the test window for the size shown and the design pressure claimed. For window sizes smaller than shown, locate fasteners approx. 2" from corners and no more than 12" on center. Design pressures of smaller window sizes are limited to that of the test window.

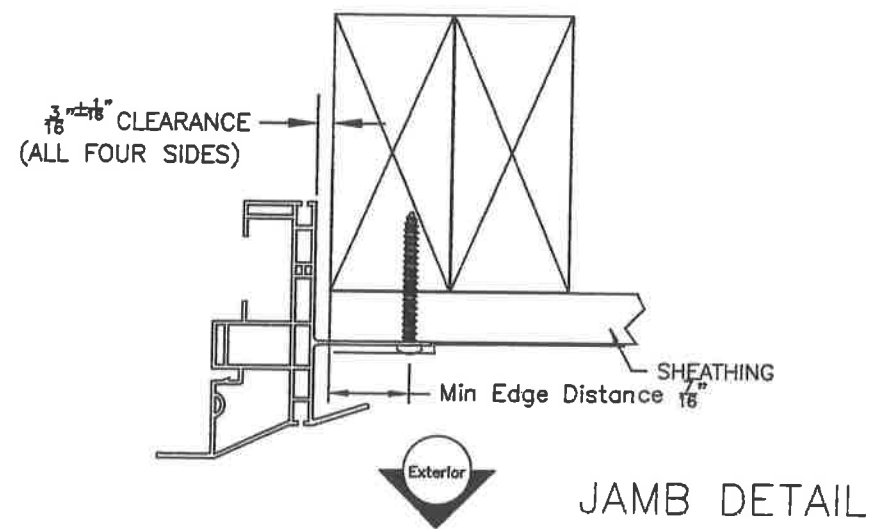
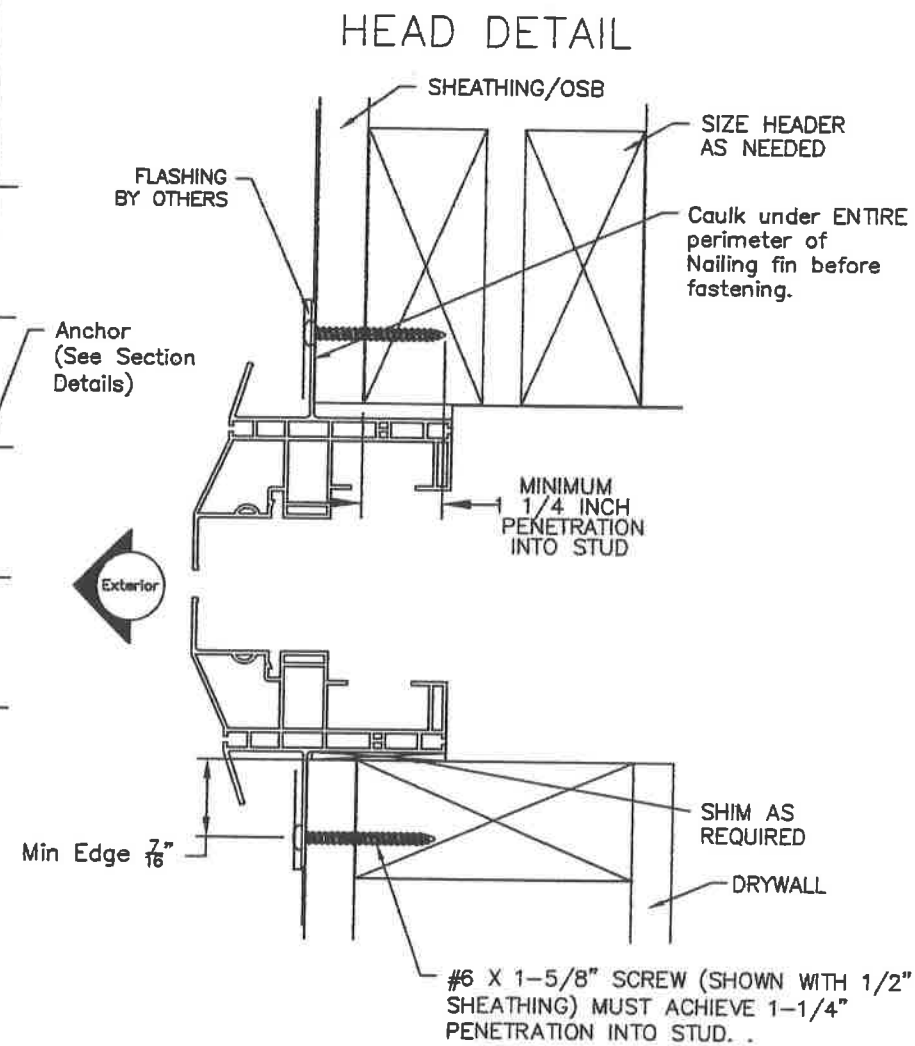
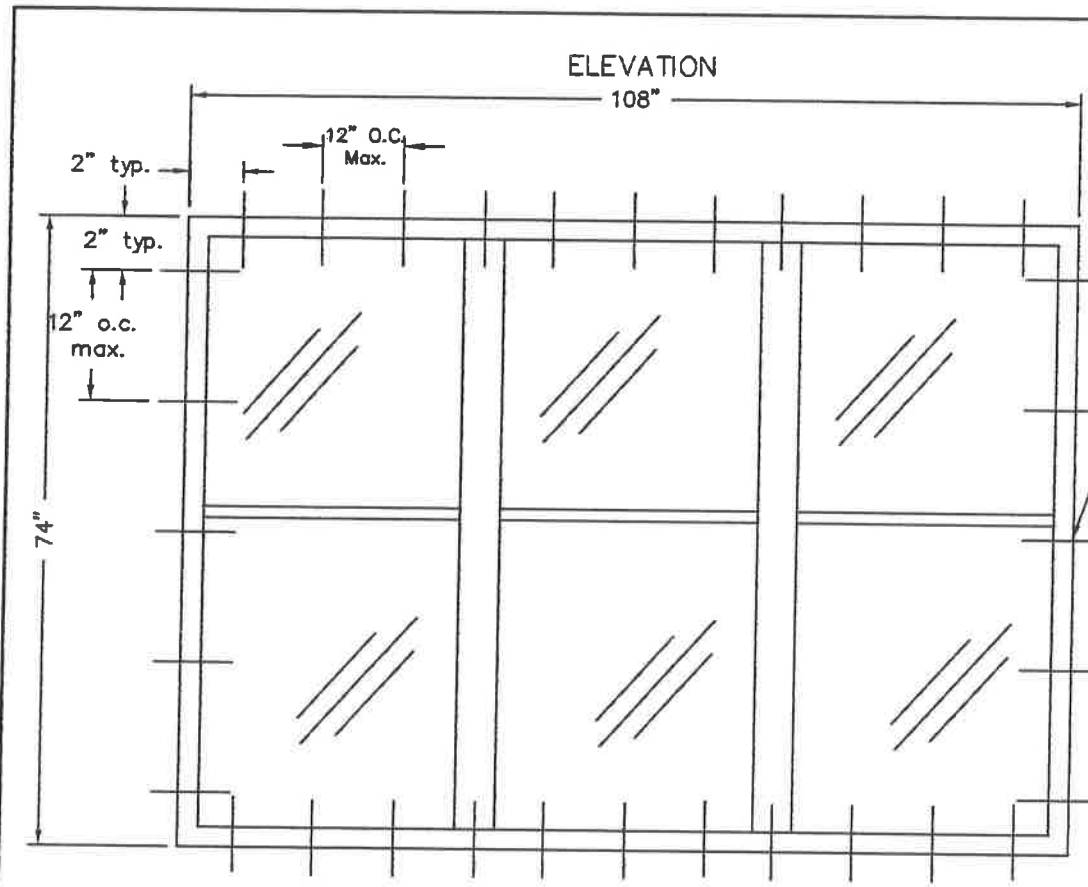
SIZE AND DESIGN PRESSURE CHART
 FASTENER TYPE AND SPACING SHOWN WILL ALLOW DESIGN PRESSURES UP TO +35/ -50 UNITS UP TO 36" x 74"
 (SEE TEST REPORTS FOR INDIVIDUAL UNIT SIZE AND APPLICABLE DESIGN PRESSURE LIMITATIONS)



TITLE: INSTALLATION INSTRUCTIONS & FASTENER SCHEDULE - FIN -
 PRODUCT: 3540 Single Hung

DRAWN BY: V.M.R.	DATE: 12-14-09
CHECKED:	DATE:
SCALE: NONE	SHEET: 1 OF 1
DWG. NO. 3540-3240 SH FIN	REV. -

* "NAIL FIN" IS A GENERIC TERM WHICH MEANS "MOUNTING FLANGE". (NOT TO BE CONFUSED WITH "1/2" FRONT FLANGE)



- Notes:
1. Installation depicted based off of structural test report # C7327.01-109-47.
 2. Wood screws shall satisfy the National Design Specification for Wood Construction for material type and dimensional requirements.
 3. Wood buck installations are assumed 2x S-P-F (G=0.42) or denser. Buck width shall be greater than the window frame width. Tapered or partial width bucks are not allowed. Wood buck shall be secured to the structure to resist all design loads.
 4. Wood screw lengths shall be sufficient to guarantee 1-1/4" penetration into wood buck.
 5. Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be load bearing, non-compressible type.
 6. These drawings depict the details necessary to meet structural load requirements. They do not address the air infiltration, water penetration, intrusion or thermal performance requirements of the installation.
 7. Installation shown is that of the test window for the size shown and the design pressure claimed. For window sizes smaller than shown, locate fasteners approx. 2" from corners and no more than 12" on center. Design pressures of smaller window sizes are limited to that of the test window.

SILL DETAIL

SIZE AND DESIGN PRESSURE CHART
 FASTENER TYPE AND SPACING SHOWN WILL ALLOW DESIGN PRESSURES UP TO +35/-50 UNITS UP TO 108" x 74"
 (SEE TEST REPORTS FOR INDIVIDUAL UNIT SIZE AND APPLICABLE DESIGN PRESSURE LIMITATIONS)



TITLE:
 INSTALLATION INSTRUCTIONS & FASTENER SCHEDULE — FIN—
 PRODUCT:
 3540 Single Hung Continuous Head and Sill

DRAWN BY: V.M.R.	DATE: 8-20-09
CHECKED:	DATE:
SCALE: NONE	SHEET: 1 OF 1
DWG. NO. 3540 SH CSH FIN	REV. -

* "NAIL FIN" IS A GENERIC TERM WHICH MEANS "MOUNTING FLANGE". (NOT TO BE CONFUSED WITH "1/2" FRONT FLANGE)