

Columbia County New Building Permit Application

For Office Use Only	Application #	63760	Date Received	1/2	By	EW	Permit #	49288
Zoning Official	Date	Flood Zone	Land Use	Zoning	Comments			
FEMA Map #	Elevation	MFE	River	Plans Examiner	Date			
☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☐ App Fee Paid ☐ Sub VF Form								
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter								
☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Well letter ☐ 911 Sheet ☐ Parent Parcel #								

Septic Permit No. 24-0183 OR City Water

Applicant (Who will sign/pickup the permit) Kenneth M. Clyatt Jr. Phone 386 867 2951
Address 536 SW Manatee Terrace, Fort White FL 32038
Owners Name Kenneth M. Clyatt Jr & Robin T Clyatt Phone 386 867 2951
911 Address 536 SW Manatee Terrace, Fort White FL 32038
Contractors Name Kenneth M. Clyatt Jr. Phone 386 867 2951
Address 536 SW Manatee Terrace, Fort White FL 32038
Contractor Email clyattwell@aol.com
***Include to get updates on this job.

Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Mark Disoway PE 163 SW Midtown FL Lake City FL
Mortgage Lenders Name & Address NA

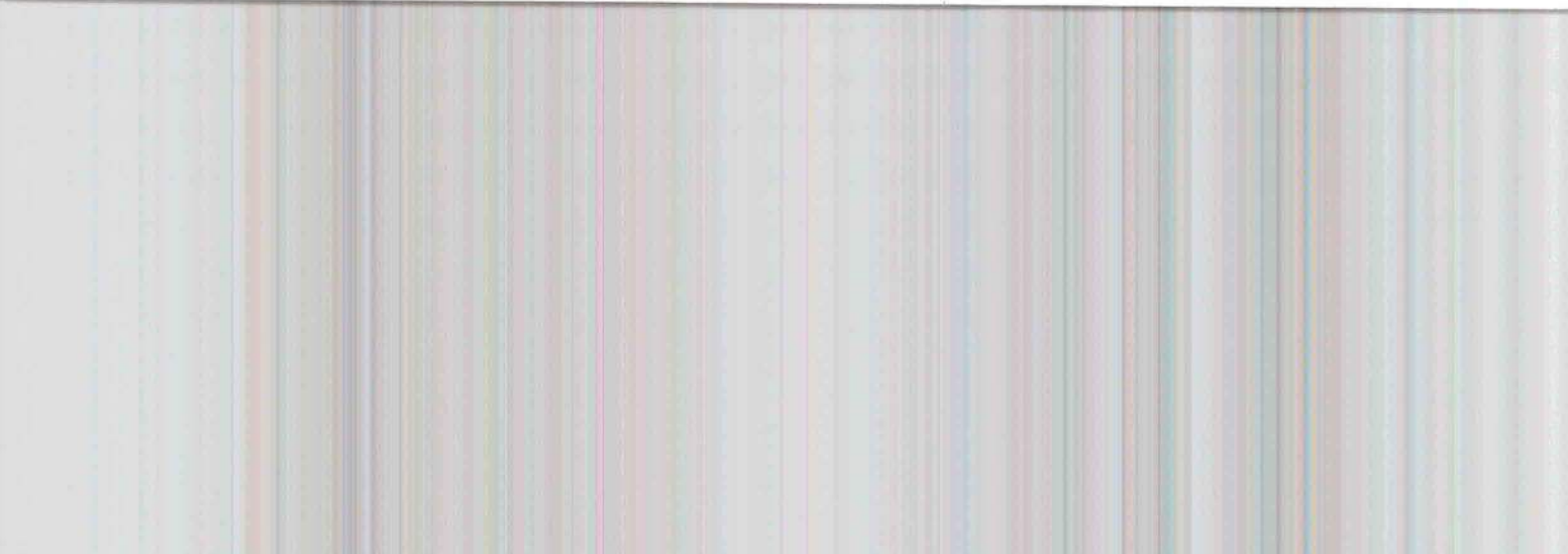
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Duke Energy
Property ID Number 00-00-00-00570-00
Estimated Construction Cost \$309,000.00
Subdivision Name Three Rivers Estates
lot 5 Block Unit 2 Phase

Driving Directions from a Major Road From Fort White take Wilson Springs Road to Newark TR to Bridge Lane TL to Manatee Terrace TR
4th on Left

Construction of Single Dwelling Home
Proposed Use/Occupancy Single Dwelling Home
Number of Existing Dwellings on Property
Commercial OR Residential

Circle Proposed - Culvert Permit or Culvert Waiver or D.O.T. Permit or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front Side Side Rear
Number of Stories 1 Heated Floor Area 1694 Total Floor Area 2816 Acreage 1

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)



Columbia County Building Permit Application – "Owner and Contractor Signature Page"

CODES: 2020 Florida Building Code 7th Edition and the 2017 National Electrical Code.

Application is hereby made to obtain a permit to do 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 be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructure and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU 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 ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: 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.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Printed Owners Name Kenneth M. Clay Jr. Robin T. Clay Jr.	Owners Signature
--	-----------------------------

CONTRACTORS AFFIDAVIT: By my signature, I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's License Number CRC 1327385
Columbia County
Competency Card Number _____

Affirmed and subscribed before me the Contractor by means of _____ physical presence or _____ online notarization, this _____ day of _____, 20____, who was personally known _____ or produced ID _____

State of Florida Notary Signature (For the Contractor) _____

SEAL:



ROOFING UNDERLAYMENT AFFIDAVIT

www.columbiacountyfla.com

Columbia County, Florida
Building Department
135 NE Hernando Avenue
Lake City, Florida 32055
Phone: 386-758-1008

63760

REQUIRED FOR WALK-IN OR PAPER SUBMITTALS

Job Address: 536 SW Manatee Terrace, Ft. White Fl. 32038

I (Print Name) Kenneth Cloyd, as a Florida license Roofing Contractor or an Owner
Builder, I understand to comply with the 2023 Florida Building Code 8th Edition underlayment requirements, I
must select an option for sealing the roof deck.

The options are summarized below...

☐ a self-adhering polymer-modified bitumen underlayment complying with ASTM D1970
applied over the entire roof.

☐ a minimum 4-inch wide strip of selfadhering polymer-modified bitumen complying with
ASTM D1970 or a minimum 3 3/4 - inch wide strip of selfadhering flexible flashing tape complying with
AAMA 711, applied over all joints in the roof decking. A felt underlayment complying with ASTM
D226 Type II, ASTM D4869 Type III or IV, or ASTM D6757, or a synthetic underlayment meeting the
performance requirements specified, is required to be applied over the strips/tape over the entire
roof.

☒ two layers of felt underlayment comply ASTM 0226 Type II or ASTM D4869 Type III or IV, or
two layers of a synthetic underlayment meeting the performance requirements specified, lapped
and fastened as specified.

☐ Other (explain) _____

Contractor/Owners Signature _____

FINAL INSPECTION & CERTIFICATE OF COMPLETION:

This completed form and photographs must be uploaded to your permit via online at the Application
Submission login (link) Welcome to Columbia County Online (columbiacountyfla.com).

If for a roofing permit, clearly visible in the Photographs must be the permit number or address and
must include a ruler or measuring device to confirm nail spacing and overlaps including drip edge
and valley flashing. (Not required for additions or New Residential)

This item has been digitally signed and sealed by Mark Disosway PE on digital signature date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



Mark Disosway, PE
Florida Professional Engineer #53915

1. The sealed plans we provided for this project were designed last year under the 7th edition FBCR 2020. No changes need to be made to the plan to bring them up to the current code. Please accept this letter as the approval that the plans comply with the 8th edition FBCR 2023.

This letter is in reference to plans review issues on the above referenced project.

To whom it may concern:

Re: Kenneth & Robin Clyatt Res. / 536 SW Manatee Terrace, Fort White, FL 32038

Building Department

1/18/2024

Mark Disosway, P.E.
163 SW Midtown Place, Suite 103 Lake City, FL 32025, Ph (386) 754-5419

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # _____ JOB NAME _____

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.

Use website to confirm licenses: <http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx>

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

☒	ELECTRICAL	Print Name: Dennis Conklin Company Name: D+S Electric License #: EC 13003800 Phone #: 386-755-5255	☐	Need Lic Lab W/C EX DE
☒	MECHANICAL/A/C	Print Name: Clint Wilson Company Name: Wilson Heating & Air License #: ST CHC057886/000802 Phone #: 386 496 9000	☒	Need Lic Lab W/C EX DE
☒	PLUMBING/GAS	Print Name: Cody Barrs Company Name: Barrs Plumbing License #: ST EFC1427145/000715 Phone #: 386 752-8656	☒	Need Lic Lab W/C EX DE
☐	ROOFING	Print Name: David Johnson Company Name: Mac Johnson Roofing & Siding License #: CCC 132594 Phone #: 352-339-1963	☐	Need Lic Lab W/C EX DE
☐	SHEET METAL	Print Name: Dennis Conklin Company Name: D+S Electric License #: EC 13003800 Phone #: 386-755-5255	☐	Need Lic Lab W/C EX DE
☐	FIRE SYSTEM/SPRINKLER	Print Name: N/A Company Name: N/A License #: N/A Phone #: N/A	☐	Need Lic Lab W/C EX DE
☐	SOLAR	Print Name: N/A Company Name: N/A License #: N/A Phone #: N/A	☐	Need Lic Lab W/C EX DE
☐	STATE SPECIALTY	Print Name: N/A Company Name: N/A License #: N/A Phone #: N/A	☐	Need Lic Lab W/C EX DE
☐	CC#	License #:	Phone #:	Need Lic Lab W/C EX DE



COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

OWNER BUILDER DISCLOSURE STATEMENT

Florida Statutes Chapter 489.103:

1. I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.
2. I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.
3. I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed in Florida and to list his or her license numbers on permits and contracts.
4. I understand that I may build or improve a one-family or two-family residence or a farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease, unless I am completing the requirements of a building permit where the contractor listed on the permit substantially completed the project. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.
5. I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.
6. I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

(Write in the address of jobsite property)

536 SW Manatee Terrace, Fort White, FL 32038

11. I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:
10. I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or <http://www.myfloridalicense.com/> for more information about licensed contractors.
9. I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.
8. I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.
7. I understand that it is a frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

An owner of property completing the requirements of a building permit, where the contractor listed on the permit substantially completed the project as determined by the local permitting agency, for a one-family or two family residence, townhome, accessory structure of a one-family or two-family residence or townhome or individual residential condominium unit or cooperative unit. Prior to the owner qualifying for the exemption, the owner must receive approval from the local permitting agency, and the local permitting agency must determine that the contractor substantially completed the project. An owner who qualifies for the exemption under this paragraph is not required to occupy the dwelling or unit for at least 1 year after the completion of the project.

ordinances. State law requires electrical contracting to be done by licensed electrical contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own electrical contractor even though you do not have a license. You may install electrical wiring for a farm outbuilding or a single-family or duplex residence. You may install electrical wiring in a commercial building the aggregate construction costs of which are under \$75,000. The home or building must be for your own use and occupancy. It may not be built for sale or lease, unless you are completing the requirements of a building permit where the contractor listed on the permit substantially completed the project. If you sell or lease more than one building you have wired yourself within 1 year after the construction is complete, the law will presume that you built it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person as your electrical contractor. Your construction shall be done according to building codes and zoning regulations. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances.

Florida Statutes Chapter 489.503:

12. I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

Before a building permit shall be issued, this notarized disclosure statement must be completed and signed by the property owner and returned to the local permitting agency responsible for issuing the permit.

TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling
- ☐ Two-Family Residence
- ☐ Farm Outbuilding
- ☐ Addition, Alteration, Modification or other Improvement
- ☐ Electrical

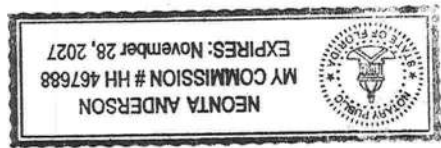
- ☐ Other
- ☐ Contractor substantially completed project, of a
- ☐ Commercial, Cost of Construction for construction of

I Kenneth M. Clatt Jr., have been advised of the above disclosure (Print Property Owners Name)
statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

Signature: *Kenneth M. Clatt Jr.* Date: 1/22/2024
(Signature of property owner)

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification FL DL
Notary Signature *Neonta Anderson* Date 1-22-24 (Seal)



THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 07-288
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R00570-001

WARRANTY DEED

THIS INDENTURE, made this 17th day of August, 2007, BETWEEN PAUL P. BARCIA and ANN R. BARCIA, Husband and wife whose post office address is 498 SW Manatee Terrace, Ft. White, FL 32038, of the County of Columbia, State of Florida, grantor*, and KENNETH M. CLYATT, JR. and ROBIN T. CLYATT, Husband and wife whose post office address is 12359 SW CR 239-A, Lake Butler, FL 32054, of the County of Union, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 5 of THREE RIVERS ESTATES UNIT 2, a subdivision according to the plat thereof as recorded in Plat Book 4, Page 37 of the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
Terry McDavid

(Typed Name of First Witness)

(Signature of Second Witness)
CRYSTAL L. BRUNNER

(Typed Name of Second Witness)

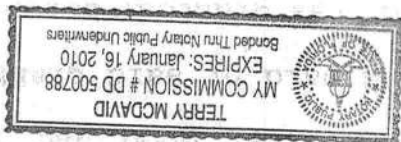
STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 17th day of August, 2007, by PAUL P. BARCIA and ANN R. BARCIA, husband and wife who are personally known to me or who have produced as identification and who did not take an oath.

My Commission Expires:

Notary Public

Printed, typed, or stamped name:



Printed Name

ANN R. BARCIA

Grantor

(Signature)
(SEAL)

Printed Name

PAUL P. BARCIA

Grantor

(Signature)
(SEAL)

Owner & Property Info
Result: 3 of 4

Owner	CLYATT ROBIN T P O BOX 180 WORTHINGTON SPRINGS, FL 32697-0180
Site	536 SW MANATEE TER, FORT WHITE LOT 5 UNIT 2 THREE RIVERS ESTATES, 477-115, 659-444, 673-553, 555, 720-263, 785- 1955, WD 1128-2334.
Description	0.87 AC S/T/R 36-65-15
Area	Use Code** SINGLE FAMILY (0100)
Use Code**	Tax District 3
Tax District	3

Property & Assessment Values

Mkt Land	\$60,500
Ag Land	\$0
Building	\$29,706
XFOB	\$1,896
Just	\$92,102
Class	\$0
Appraised	\$92,102
SOH Cap [?]	\$11,799
Assessed	\$92,102
Exempt	\$0
Total	county:\$80,303 city:\$0 other:\$0 school:\$101,028

Sales History

Sale Date	8/17/2007	Sale Price	\$145,000	Book/Page	1128/234	Deed	WD	Qualification (Codes)	Q	RCode	
	1/10/1994		\$30,000		0785/1855	WD	V		Q		
	7/6/1980		\$14,500		0659/0444	AD	V		Q		

Building Characteristics

Bldg Sketch	STRG/CONV (0102)	Year Blt	2007	Base SF	900	Actual SF	900	Bldg Value	\$38,632
-------------	------------------	----------	------	---------	-----	-----------	-----	------------	----------

Extra Features & Out Buildings (Codes)

Code	Desc	Year Blt	Value	Units	Dims
0084	DOCK-RIVER	2006	\$696.00	120.00	10 x 12
0260	PAVEMENT-ASPHALT	2006	\$400.00	1.00	0 x 0
0040	BARN,POLE	2015	\$200.00	1.00	0 x 0
0166	CONC,PAVMT	2015	\$600.00	1.00	0 x 0

Land Breakdown

Code	Desc	Units	Adjustments	Eff Rate	Land Value
0100	SFR (MKT)	121,000 FF (0.870 AC)	1,0000/1,0000 /	\$500 /FF	\$60,500

Search Result: 3 of 4



SUWANNEE RIVER
WATER MANAGEMENT DISTRICT



December 14, 2023

Kenneth Clyatt
Po Box 180
Worthington Springs, FL 32697-0180

SUBJECT: Permit Number WOD-023-246892-1
Kenneth Clyatt - Proposed House

Dear Kenneth Clyatt:

Enclosed is your permit issued by the Suwannee River Water Management District on December 14, 2023. This permit is a legal document and should be kept with your other important documents. Permit issuance does not relieve you from the responsibility of obtaining any necessary permits from any federal, state, or local agencies for your project.

Noticing Your Permit:

For noticing instructions, please refer to the noticing materials in this package regarding that if a timely petition for administrative hearing is filed, your permit will become nonfinal and any activities that you choose to undertake pursuant to your permit will be at your own risk.

Compliance with Permit Conditions:

To submit your required permit compliance information, go to the District's website at <https://permitting.sjrwmd.com/srpermitting/jsp/start.jsp>. Click to sign-in to your existing account or to create a new account. Select the "Apply/Submit" tab, select "Submit Compliance Data", enter your permit number, and select "No Specific Date" for the Compliance Due Date Range. You will then be able to view all the compliance submittal requirements for your project. Select "the compliance item that you are ready to submit and then attach the appropriate information or form. The forms to comply with your permit conditions are available at floridaswater.com/permitting under the section "Handbooks, forms, fees, final orders". Click on forms to view all permit compliance forms, then scroll to the ERP application forms section and select the applicable compliance forms. Alternatively, if you have difficulty finding forms or need copies of the appropriate forms, please contact the Resource Management Division at (386) 362-1001.

Compliance with Other Permitting Programs:

This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any construction, alteration, operation, maintenance, removal or abandonment authorized by this permit.

The Suwannee River Water Management District did not issue a National Pollutant Discharge Elimination System (NPDES) permit for this project. If this project meets the thresholds such that a NPDES permit is required, you must apply to the Florida Department of Environmental Protection directly. More information about NPDES permits may be found online at <https://floridadep.gov/water/stormwater>. **Failure to obtain a NPDES permit prior to construction could subject you to enforcement action by that agency.**

Water for Nature. Water for People.

For projects which involve wetlands or surface waters, the Suwannee River Water Management District did not issue a federal authorization for use or impacts to wetlands under federal jurisdiction, this project. Therefore, you must apply directly to the US Army Corps of Engineers (USACE). More information about USACE permitting may be found online at <https://www.sai.usace.army.mil/>. **Failure to obtain USACE authorization prior to construction could subject you to federal enforcement action by that agency.**

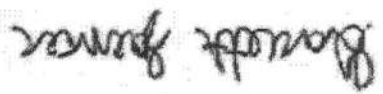
Transferring Your Permit:

Your permit requires you to notify the District in writing within 30 days of any change in ownership or control of the project or activity covered by the permit, or within 30 days of any change in ownership or control of the real property on which the permitted project or activity is located or occurs. You will need to provide the District with the information specified in rule 62-330.340, Florida Administrative Code (F.A.C.). Generally, this will require you to complete and submit Form 62-330.340(1), "Request to Transfer Permit".

Please note that a permittee is liable for compliance with the permit before the permit is transferred. The District, therefore, recommends that you request a permit transfer in advance in accordance with the applicable rules. You are encouraged to contact District staff for assistance with this process.

Thank you and please let us know if you have additional questions. For general questions contact us at (386) 362-1001.

Sincerely,



Garrett Spencer
Program Engineer

Enclosures: Permit

cc: District Permit File

Water for Nature. Water for People.

SUWANNEE RIVER
WATER MANAGEMENT DISTRICT



WOD General w/ ssl

PERMITTEE: Kenneth Clyatt
Po Box 180
Worthington Springs, FL 32697-0180
PERMIT NUMBER: WOD-023-246892-1
DATE ISSUED: December 14, 2023
DATE EXPIRES: December 14, 2028
COUNTY: Columbia
TRS: S36 T6S R15E

PROJECT: Kenneth Clyatt - Proposed House

Upon completion, the approved entity to which operation and maintenance maybe transferred pursuant to rule 62-330.310 and 62-330.340 or 40B-4.1130, Florida Administrative Code (F.A.C.) shall be:

This permit authorizes the use of Works of the District General Permit 40B-4.3010(3)(a), Florida Administrative Code (F.A.C.) for the construction of a residence of approximately 2,688 square feet outside of the 75-foot setback from the top of the riverbank. This permit also authorizes a previously constructed gangway and stairs of approximately 120 square feet, another set of stairs of approximately 256 square feet, and a floating dock of approximately 200 square feet within the regulatory floodway of the Santa Fe River in Columbia County. The lowest horizontal structural member of the residence shall be at least one foot above the Base Flood Elevation of 33.9 feet NAVD88. A zero-rise certification has been submitted to demonstrate that river stages will not be increased as a result of the project. This project is also issued a Letter of Consent for work in Sovereignty Submerged Lands, per subsection 18-21.005(1)(c), F.A.C. The project shall be under the maximum allowed preempted area of 1,000 square feet due to the approximate 100 linear feet of river frontage. The project shall be constructed in a manner consistent with the application package submitted by Kenneth Clyatt on or before November 21, 2023 and the zero-rise report certified by Greg Bailey, P.E., of NFPS on December 7, 2023, and in accordance with sections 62-330.051(5) and (13), F.A.C., subsections 40B-4.3010(1)(a) and 40B-4.3010(3)(a), F.A.C., and subsection 18-21.005(1)(c), F.A.C.

As the permittee and/or operation and maintenance entity, it is your responsibility to ensure that adverse off-site impacts do not occur either during or after the construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule. You and any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to the enclosed notice of rights.

1. The permittee shall perform all construction authorized in a manner so as to minimize adverse impacts to fish, wildlife, natural environmental values, and water quality. The permittee shall institute necessary measures during construction, including riprap, reinforcement, or compaction of any fill materials placed around newly installed structures, to minimize erosion, turbidity, nutrient loading, and sedimentation in the receiving waters.

2. Immediately prior to, during construction, and for the period of time after construction to allow for stabilization of all disturbed areas, the permittee shall implement and maintain performance based erosion and sediment control best management practices. All best management practices shall be in accordance with the guidelines and specifications described in the State of Florida Stormwater, Erosion and Sedimentation Control Inspectors Manual, <http://www.flrules.org/Gateway/reference.asp?No=Ref-03047>, effective July 2008. If erosion and sediment control plan, if approved as part of the permit, the permittee shall implement the additional best management practices as necessary. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources or adjacent properties.

3. Noticed General and General permits shall be transferred to the operational and maintenance phase automatically upon the completion of the work or development in a work of the district. The operational and maintenance phase of individual permits shall be transferred following the criteria in the Applicant's Handbook Volume II and chapter 62-330, F.A.C. Abandonment permits will not become effective until the owner or his authorized agent certifies that all facilities have been removed in accordance with the permit. Within 30 days after the completion of the removal of the work or development in a work of the district, the owner or his authorized agent shall complete an As-Built Certification Form 40B-1.901A. When the completed removal of the work or development in a work of the district differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the removal of the work or development in a work of the district is complete and ready for inspection. The plans must be clearly labeled as 'as-built' or 'record' drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor.

4. The operation phase of individual and abandonment permits shall not become effective until the permittee has complied with the requirements of the condition in

- the paragraph above. Until the permit is transferred pursuant to rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.
5. Off-site discharges during and after construction shall be made only through the facilities authorized by the permit. Water discharged from the project shall be through structures suitable for regulating upstream stage if so required by the district. Such discharges may be subject to operating schedules established by the district.
 6. The permittee shall hold and save the district harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, work, or development in a work of the district which is authorized by the permit.
 7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to ensure that such adverse impacts do not in fact occur either during or after construction.
 8. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of federal, state, or local government or special district. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.
 9. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in chapter 40B-4, F.A.C.
 10. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.
 11. Each phase or independent portion of the permitted work or development in a work of the district must be completed in accordance with the permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the work or development. Each phase or independent portion of the work or development must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the work or development to an approved entity.

12. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

13. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901 (19) <http://www.flrules.org/Gateway/reference.asp?No=Ref-03166>, effective August, 2013, indicating the actual start date and the expected completion date.

14. For those works or developments which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the work or development, such easement or deed restriction, together with any other final operation or maintenance documents as are required by paragraph Part VI of the Applicants Handbook Volume II, must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operations and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the work or development, or upon completion of construction of the work or development, whichever occurs first. For those works or developments which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the work or development is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted work or development.

15. The permittee is hereby advised that section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereign lands or other state-owned lands.

16. All transfers of ownership or transfers of a permit are subject to the requirements of rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

17. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the work or development to ensure conformity with the plans and specifications approved by the permit.

18. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District. If evidence of the existence of historic resources is discovered or observed at permitted project sites or during permitted activities after a permit is issued, the applicant, owner, contractor, or agent thereof shall notify the District and the Division of Historical Resources. Compliance and Review Section within two working days. Examples of such evidence include whole or fragmentary stone tools, shell tools, aboriginal or historic pottery, historic glass, historic bottles, bone tools, historic building foundations, shell mounds, shell middens, or sand mounds.

19. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

20. Authorizations are valid only for the specified activity or use. Any unauthorized deviation from the specified activity or use and the conditions for undertaking that activity or use shall constitute a violation. Violation of the authorization shall result in suspension or revocation of the grantee's use of the sovereignty submerged land unless cured to the satisfaction of the Board.

21. Authorizations convey no title to sovereignty submerged land or water column, nor do they constitute recognition or acknowledgment of any other person's title to such land or water.

22. Authorizations may be modified, suspended or revoked in accordance with their terms or the remedies provided in sections 253.04 and 258.46, F.S., or chapter 18-14, F.A.C.

23. Structures or activities shall be constructed and used to avoid or minimize adverse impacts to sovereignty submerged lands and resources.

24. Construction, use, or operation of the structure or activity shall not adversely affect any species which is endangered, threatened or of special concern, as listed in rules 68A-27.003, 68A-27.004, and 68A-27.005, F.A.C.

25. Structures or activities shall not unreasonably interfere with riparian rights. When a court of competent jurisdiction determines that riparian rights have been unlawfully affected, the structure or activity shall be modified in accordance with the court's decision.

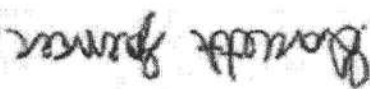
26. Structures or activities shall not create a navigational hazard.

27. Structures shall be maintained in a functional condition and shall be repaired or removed if they become dilapidated to such an extent that they are no longer functional. This requirement shall not be construed to prohibit the repair or replacement subject to the provisions of rule 18-21.005, F.A.C., within one year, of a structure damaged in a discrete event such as a storm, flood, accident, or fire.

28. Structures or activities shall be constructed, operated, and maintained solely for water dependent purposes, or for non-water dependent activities authorized under subsection 18-21.004(1)(g), F.A.C., or any other applicable law.
29. During the term of this Letter of Consent you shall maintain satisfactory evidence of sufficient upland interest as required by subsection 18-21.004(3)(b), Florida Administrative Code. If such interest is terminated or the Board of Trustees determines that such interest did not exist on the date of issuance of this Letter of Consent, this Letter of Consent may be terminated by the Board of Trustees at its sole option. If the Board of Trustees terminates this Letter of Consent, you agree not to assert a claim or defense against the Board of Trustees arising out of this Letter of Consent.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

AUTHORIZED BY: Suwannee River Water Management District

By: 

Garrett Spencer
Program Engineer

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, (F.S.), before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 F.S. Pursuant to Rule 28-106.111, Florida Administrative Code, (F.A.C.), the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, F.A.C.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may choose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, F.A.C., the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, F.A.C.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), F.S., where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, F.A.C.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), F.S., where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, F.A.C.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, F.A.C.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, F.A.C.

8. Pursuant to Section 120.68, F.S., a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, F. S., may seek review of the order pursuant to Section 373.114, F.S., by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.
10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.
11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

Water for Nature. Water for People.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent to:

Kenneth Clayatt
Po Box 180
Worthington Springs, FL 32697-0180
(386) 867-2951

This December 14, 2023



Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060
386.362.1001 or 800.226.1066 (Florida only)
cc: File Number: WOD-023-246892-1

Water for Nature. Water for People.

NOTICING INFORMATION

Dear Permittee:

Please be advised that the Suwannee River Water Management District (District) has not published a notice in the newspaper advising the public that it has issued a permit for this project.

Newspaper publication, using the District's form, notifies members of the public of their right to challenge the issuance of the permit. If proper notice is given by newspaper publication, then there is a 21-day time limit to file a petition challenging the issuance of the permit.

To close the point of entry for filing a petition, you may publish (at your own expense) a onetime notice of the District's decision in a newspaper of general circulation within the affected area as defined in Section 50.011 of the Florida Statutes. If you do not publish a newspaper notice, the time to challenge the issuance of your permit will not expire.

A copy of the notice and a partial list of newspapers of general circulation are attached for your convenience. However, you are not limited to those listed newspapers. If you choose to close the point of entry and the notice is published, the newspaper will return to you an affidavit as proof of publication. In accordance with 40B-1.1010(4), F.A.C., a copy of the affidavit shall be provided to the District within 14 days of publication. A scanned copy of the affidavit may be forwarded to Tilda Musgrove by email at tjm@srwmd.org (preferred method) or send the original affidavit of publication to:

Tilda Musgrove
Resource Management
9225 CR 49
Live Oak, FL 32060

If you have any questions, please contact me at 386.362.1001.
Sincerely,

Tilda Musgrove
Tilda Musgrove
Business Resource Specialist
Resource Management

Water for Nature. Water for People.

NOTICE OF AGENCY ACTION TAKEN BY THE
SUWANNEE RIVER WATER MANAGEMENT DISTRICT

Notice is given that the following permit was issued on _____:
(Name and address of applicant)

The project is located in _____ County, Section _____, Township _____, South, Range _____ East. The permit authorizes a surface water management system on _____ acres for _____ known as _____.

_____ The receiving water body is _____.
A person whose substantial interests are or may be affected has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District). Pursuant to Chapter 28-106 and Rule 40BB-1.1010, Florida Administrative Code (F.A.C.), the petition must be filed (received) either by delivery at the office of the Resource Management Business Resource Specialist at District Headquarters, 9225 CR 49, Live Oak FL 32060 or by e-mail to tjm@srmwd.org, within twenty-one (21) days of newspaper publication of the notice of intended District decision (for those persons to whom the District does not mail or email actual notice). A petition must comply with Sections 120.54(5)(b)4. and 120.569(2)(c), Florida Statutes (F.S.), and Chapter 28106, F.A.C. The District will not accept a petition sent by facsimile (fax). Mediation pursuant to Section 120.573, F.S., is not available.

A petition for an administrative hearing is deemed filed upon receipt of the complete petition by the District Clerk at the District Headquarters in Live Oak, FL during the District's regular business hours. The District's regular business hours are 8 a.m. – 5 p.m., excluding weekends and District holidays. Petitions received by the District Clerk after the District's regular business hours shall be deemed filed as of 8 a.m. on the next regular District business day.

The right to an administrative hearing and the relevant procedures to be followed are governed by Chapter 120, Florida Statutes, Chapter 28-106, Florida Administrative Code, and Rule 40B-1.1010, Florida Administrative Code. Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means the District's final action may be different from the position taken by it in this notice. **Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing. (Rule 28-106.111, F.A.C.).**

If you wish to do so, you may request the Notice of Rights for this permit by contacting the Business Resource Specialist in the Division of Resource Management (RM), 9225 CR 49, Live Oak, FL 32060, or by phone at 386.362.1001.

Water for Nature. Water for People.

NEWSPAPER ADVERTISING

ALACHUA

Gainesville Sun Legal Advertising

PO Box 14747

Gainesville, FL 32614

352.372.4222

BRADFORD

Bradford County Telegraph, Legal Advertising

P. O. Drawer A

Starke, FL 32901

904-964-6305/ fax 904-964-8628

COLUMBIA

Lake City Reporter

180 E Duval Street

Lake City, FL 32055

386.754.0401

DIXIE

Dixie County Advocate

174 County Road 351

Cross City, FL 32628

352.498.3312

GILCHRIST

Levy County Citizen

17 NE 3rd Street

Chiefland, FL 32626

352.493.4796

HAMILTON

Madison Carrier

PO Drawer 772

Madison, FL 32344

850.973.4141

JEFFERSON

Monticello News

PO Drawer 772

Madison, FL 32344

850.997.3568

LAFAYETTE

Dixie County Advocate

174 County Road 351

Cross City, FL 32628

352.498.3312

LEVY

Levy County Citizen

17 NE 3rd Street

Chiefland, FL 32626

352.493.4796

MADISON

Madison Carrier

PO Drawer 772

Madison, FL 32344

850.973.4141

SUWANNEE

Lake City Reporter

180 E Duval Street

Lake City, FL 32055

386.754.0401

TAYLOR

Taco Times

PO Box 888

Perry, FL 32348

850.584.5513

UNION

Union County Times

125 E Main Street

Lake Butler, FL 32054

386.496.2261

Water for Nature. Water for People.

Suwannee River Water Management District | 9225 County Road 49, Live Oak, FL 32060 | 386.362.1001 | MySuwanneeRiver.com



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2020 EFFECTIVE 1 JANUARY 2021
AND THE NATIONAL ELECTRICAL 2017 EFFECTIVE 1 JANUARY 2021

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.1 THRU 1609.6.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609.3(1) THROUGH 1609.3(4) ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES Revised 7/1/20

Submit Online at- <http://www.columbiacountyfla.com/BuildingandZoning.asp>

GENERAL REQUIREMENTS:

Items to Include-	Circled as	Applicable
-------------------	------------	------------

Select From Drop down

1	Two (2) complete sets of plans containing the following:	☒	Yes	No	NA
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	☒			
3	Condition space (Sq. Ft.)	1694			
	Total (Sq. Ft.) under roof	2816			

Select From Drop down

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES BUILDING 107.1.

Site Plan information including:

4	Dimensions of lot or parcel of land	☒			
5	Dimensions of all building set backs	☒			
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed	☒			
7	Provide a full legal description of property.	☒			

Wind-load Engineering Summary, calculations and any details are required.

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

8	Plans or specifications must show compliance with FBCR Chapter 3	Yes	No	NA
---	--	-----	----	----

Select From Drop down

9	Basic wind speed (3-second gust), miles per hour	☒			
10	(Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	☒			
11	Wind importance factor and nature of occupancy	☒			
12	The applicable internal pressure coefficient, Components and Cladding	☒			
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specially designed by the registered design professional.	☒			

Elevations, Drawings including:

14	All side views of the structure	☒			
15	Roof pitch	☒			
16	Overhang dimensions and detail with attic ventilation	☒			
17	Location, size and height above roof of chimneys	☒			
18	Location and size of skylights with Florida Product Approval	☒			
19	Number of stories	☒			
20	Building height from the established grade to the roofs highest peak	☒			

Floor Plan Including:			
21	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	-	✓
22	Raised floor surfaces located more than 30 inches above the floor or grade	-	✓
23	All exterior and interior shear walls indicated	-	✓
24	Shear wall opening shown (Windows, Doors and Garage doors)	-	✓
25	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 312.2.1 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	-	✓
26	Safety glazing of glass where needed	-	✓
27	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	-	✓
28	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	-	✓
29	Identify accessibility of bathroom (see FBCR SECTION 320)	-	✓

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS:	
APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Circled as Each Box shall be Applicable

FBCR 403: Foundation Plans

30	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing	-	✓
31	All posts and/or column footing including size and reinforcing	-	✓
32	Any special support required by soil analysis such as piling	-	✓
33	Assumed load-bearing value of soil	-	✓
34	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures	-	✓
35	Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	-	✓

FBCR 506: CONCRETE SLAB ON GRADE

35	Show Vapor retarder (6mil. Polyethylene with joints overlaid 6 inches and sealed)	-	✓
36	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	-	✓

FBCR 318: PROTECTION AGAINST TERMITES

37	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or termiticides	-	✓
----	---	---	---

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

38	Show all materials making up walls, wall height, and Block size, mortar type	-	✓
39	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	-	✓

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

40	Professional Engineer	✓	-		
41	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	✓	-		
42	Girder type, size and spacing to load bearing walls, stem wall and/or piers	✓	-		
43	Attachment of joist to girder	✓	-		
44	Wind load requirements where applicable	✓	-		
45	Show required under-floor crawl space	✓	-		
46	Show required amount of ventilation opening for under-floor spaces	✓	-		
47	Show required covering of ventilation opening	✓	-		
48	Show the required access opening to access to under-floor spaces	✓	-		
49	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing	✓	-		
50	Show Draftstopping, Fire caulking and Fire blocking	✓	-		
51	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6	✓	-		
52	Provide live and dead load rating of floor framing systems (psf).	✓	-		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL					
Items to Include- Each Box shall be Circled as Applicable					

Select from Drop down

53	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓	-		
54	Fastener schedule for structural members per table FBC 2304.10.1 are to be shown	✓	-		
55	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓	-		
56	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓	-		
57	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC 2304.3.	✓	-		
58	Indicate where pressure treated wood will be placed	✓	-		
59	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓	-		
60	A detail showing gable truss bracing, wall balloon framing details or/and wall hinge bracing detail	✓	-		

FBC: ROOF SYSTEMS:

61	Truss design drawing shall meet section FBC 2303.1.1.1 Wood trusses	✓	-		
62	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓	-		
63	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓	-		
64	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓	-		
65	Provide dead load rating of trusses	✓	-		

FBC 2304.4: Conventional Roof Framing Layout

66	Rafter and ridge beams sizes, span, species and spacing	✓	-		
67	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓	-		
68	Valley framing and support details	✓	-		
69	Provide dead load rating of rafter system	✓	-		

FBC 2304.8 ROOF SHEATHING

70	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓	-		
71	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓	-		

ROOF ASSEMBLIES FRC Chapter 15

72	Include all materials which will make up the roof assemblies covering	-		
73	Submit Florida Product Approval numbers for each component of the roof assemblies covering	-		

FBC Energy Chapter 4

Residential construction shall comply with this code by using the following compliance methods in the FBC Chapter 4, Residential buildings compliance methods. Two of the required forms are to be submitted, N1100.1.1 as an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation. Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.

GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL				
Items to Include-	Each Box shall be	Circled as	Applicable	

Select from Drop Down

74	Show the insulation R value for the following areas of the structure	-	✓	
75	Attic space	-	✓	
76	Exterior wall cavity	-	✓	
77	Crawl space	-	✓	

HVAC information

78	Submit two copies of a Manual J sizing equipment or equivalent computation study	-	✓	
79	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or	-	✓	
80	20 cfm continuous required	-	✓	
80	Show clothes dryer route and total run of exhaust duct	-	✓	

Plumbing Fixture layout shown

81	All fixtures waste water lines shall be shown on the foundation plan	-	✓	
82	Show the location of water heater	-	✓	

Private Potable Water

83	Pump motor horse power	-	✓	
84	Reservoir pressure tank gallon capacity	-	✓	
85	Rating of cycle stop valve if used	-	✓	

Electrical layout shown including

86	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	-	✓	
87	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	-	✓	
88	Show the location of smoke detectors & Carbon monoxide detectors	-	✓	
89	Show service panel, sub-panel, location(s) and total ampere ratings	-	✓	
90	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	-	✓	
91	For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	-	✓	
91	Appliances and HVAC equipment and disconnects	-	✓	
92	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, parlor, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter, Protection device.	-	✓	

Notice Of Commencement:
A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.

GENERAL REQUIREMENTS:	
APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	
Items to Include- Each Box shall be Circled as Applicable	

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

93	Building Permit Application A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted.	✓		
94	Parcel Number The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com	✓		
95	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031			
97	Toilet facilities shall be provided for all construction sites			
98	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			
99	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com)	✓		
100	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH Flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required. A Flood development permit is also required for AE, Floodway & AH. Development permit cost is \$50.00	✓		
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. County Public Works Dept. determines the size and length of every culvert before installation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.			
102	911 Address: An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125.			
103				

Ordinance Sec. 90-75. - Construction debris. (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending storage of construction and demolition debris or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris shall not be deemed in violation of this section, provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, or lots less than ten acres in size within the county.

Disclosure Statement for Owner Builders:
If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.
**This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - <http://www.columbiacountyfla.com/BuildingandZoning.asp>

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be construed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

Notification:

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

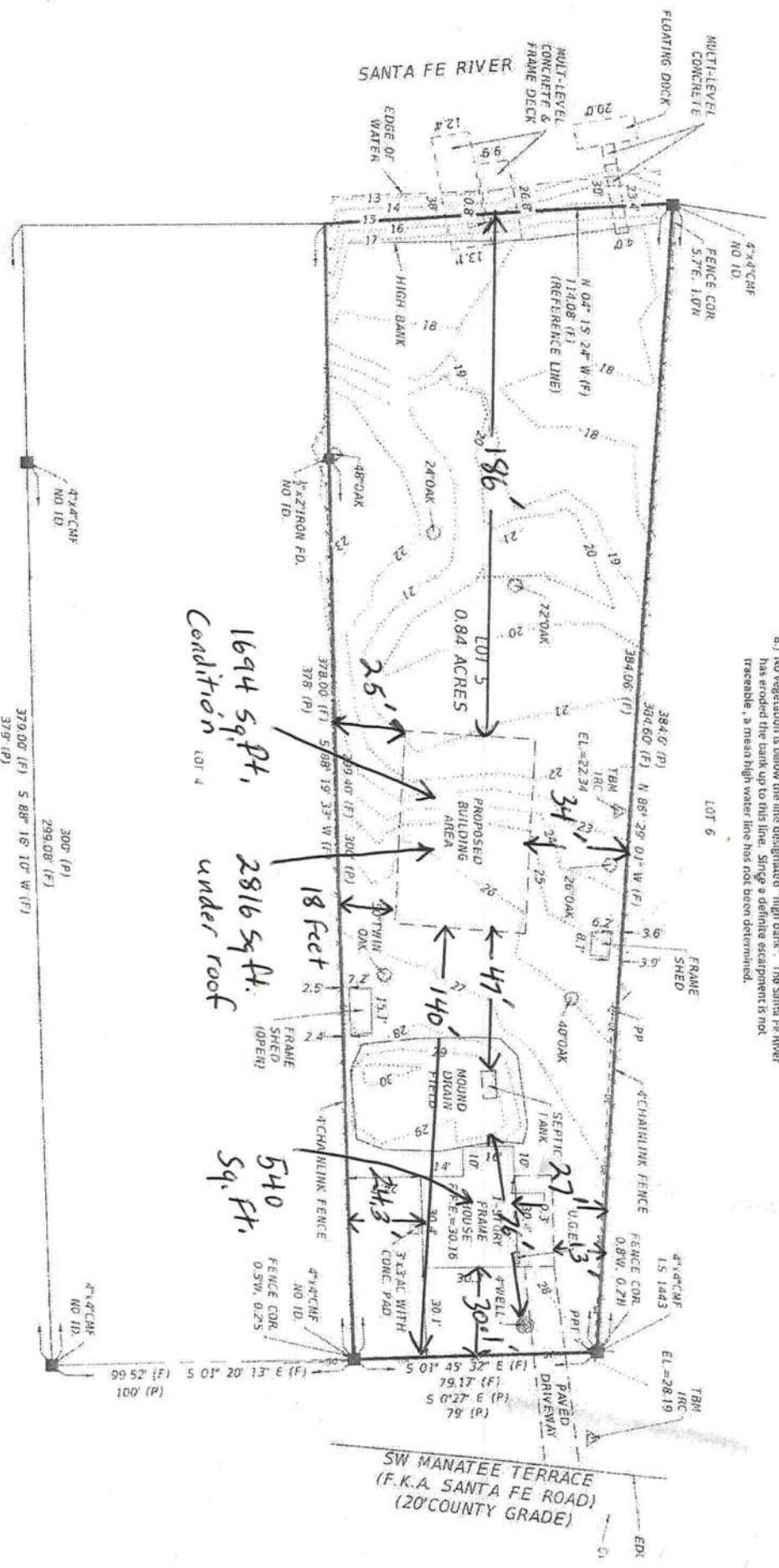
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES:

LEGEND	
PLS=PROFESSIONAL LAND SURVEYOR	NO ID=NO IDENTIFICATION
COR=CURVATURE	CHLK=CHAINLINK
P.S.M.=PROFESSIONAL SURVEYOR & MAPPER	(F)=FIELD MEASUREMENT
R/W=RIGHT-OF-WAY	(P)=PLAT MEASUREMENT
C=CENTER LINE	TBM=TEMPORARY BENCHMARK
L=PROPERTY LINE	U.G.=UNDERGROUND
L8=LICENSED BUSINESS	U.G.E.=UNDERGROUND ELECTRIC
IR=IRON REBAR & CAP	AC=AIR CONDITIONER
CMF=CONCRETE MONUMENT FOUND	PPT=POWER POLE W/ TRANSFORMER
OE=OVERHEAD ELECTRIC	F.F.E.=FINISHED FLOOR ELEVATION
PP=POWER POLE	CMC=CONCRETE
FD=FOUHD	



NOTES:

- 1.) Monumentation is as shown and designated on the face of the plat.
- 2.) Boundary based on monumentation found in place, instruction by client, and prior survey and subdivision by B.G. Moore, P.L.S.
- 3.) Bearings based on State Plane Coordinates.
- 4.) Improvements shown were located by field ties.
- 5.) Date of field survey completion: July 11, 2023
- 6.) Elevations based on NAVD83 datum.
- 7.) Examination of the Flood Insurance Rate Maps (FIRM) for Columbia County shows that, per said maps, the described parcel lies within Flood Zone "AE", which according to said maps is inside of the 1% chance floodplain and has a 26% chance of flooding over the life of a 30-year mortgage. A base flood elevation of 33.9 feet has been established (ref: Map No. 12023C04670).
- 8.) No vegetation is below the line designated "high bank". The Santa Fe River has eroded the bank up to this line. Since a definite escarpment is not traceable, a mean high water line has not been determined.

TOPOGRAPHY

OF LOT 5, THREE RIVERS E IN SECTION 3 TOWNSHIP 6 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FL

DESCRIPTION:

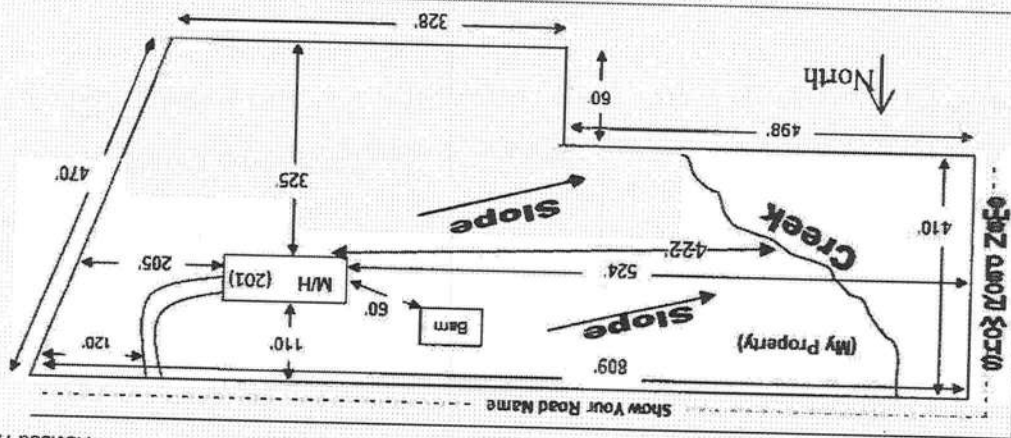
Lot 5 of THREE RIVERS ESTATES UNIT 2, as recorded in Plat Book 4, Page 37 of the plat, Columbia County, Florida.

- 1) Property Dimensions
- 2) Footprint of proposed and existing structures (including decks), label these with existing addresses
- 3) Distance from structures to all property lines
- 4) Location and size of easements
- 5) Driveway path and distance at the entrance to the nearest property line
- 6) Location and distance from any waters, sink holes, wetlands, and etc.
- 7) Show slopes and or drainage paths
- 8) Arrow showing North direction

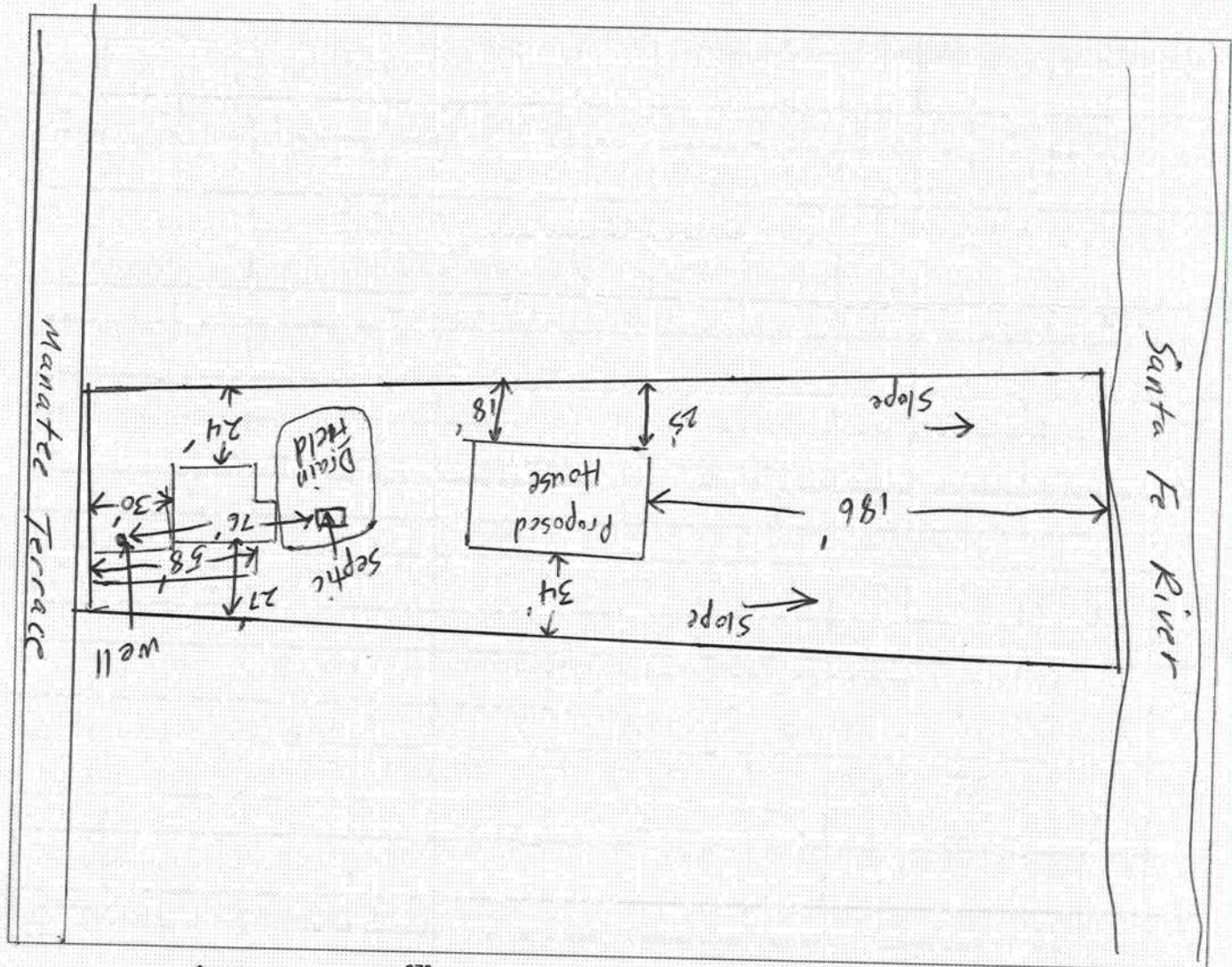
SITE PLAN CHECKLIST

SITE PLAN EXAMPLE

Revised 7/1/15



NOTE:
This site plan can
be copied and used
with the 911
Addressing Dept.
application forms.



Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.



RE: 1223-036 -

Site Information:

Customer Info: KENNETH CLYATT. Project Name: . Model: .
Lo/Block: .
Address: .
City: FT. WHITE
State: FL.

Name Address and License # of Structural Engineer of Record, if there is one, for the building.

Name: .
Address: .
City: .
State: .

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2023/TPI2014
Wind Code: ASCE 7-22
Roof Load: 40.0 psf
Floor Load: N/A psf

This package includes 16 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T32673329	A01	1/19/24
2	T32673330	A02	1/19/24
3	T32673331	A03	1/19/24
4	T32673332	A04	1/19/24
5	T32673333	A05	1/19/24
6	T32673334	A06	1/19/24
7	T32673335	A07	1/19/24
8	T32673336	A08	1/19/24
9	T32673337	A09	1/19/24
10	T32673338	A10	1/19/24
11	T32673339	F01	1/19/24
12	T32673340	F02	1/19/24
13	T32673341	PB01	1/19/24
14	T32673342	PB02	1/19/24
15	T32673343	PB03	1/19/24
16	T32673344	PB04	1/19/24

The truss drawing(s) referenced above have been prepared by MITek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..
Truss Design Engineer's Name: Velez, Joaquin
My license renewal date for the state of Florida is February 28, 2025.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MITek or TRENCO. Any project specific information included is for MITek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MITek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Joaquin Velez PE No. 68182
MITek Inc. DBA MITek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date:



Job	1223-036	Truss	A01	Piggyback Base Supported Gable	Qty	1	Ply	1	Job Reference (optional)	T32673329
-----	----------	-------	-----	--------------------------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8:33 S Jan 4 2024 Print: 8:730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:33
ID:Z4D5d3skNtWbYbNdy1d8hTF7Ylms-RfC7P5B70Hq3NSgPqnlBw3uITXBGKWwCDaITJ4ZJC7F

Page: 1

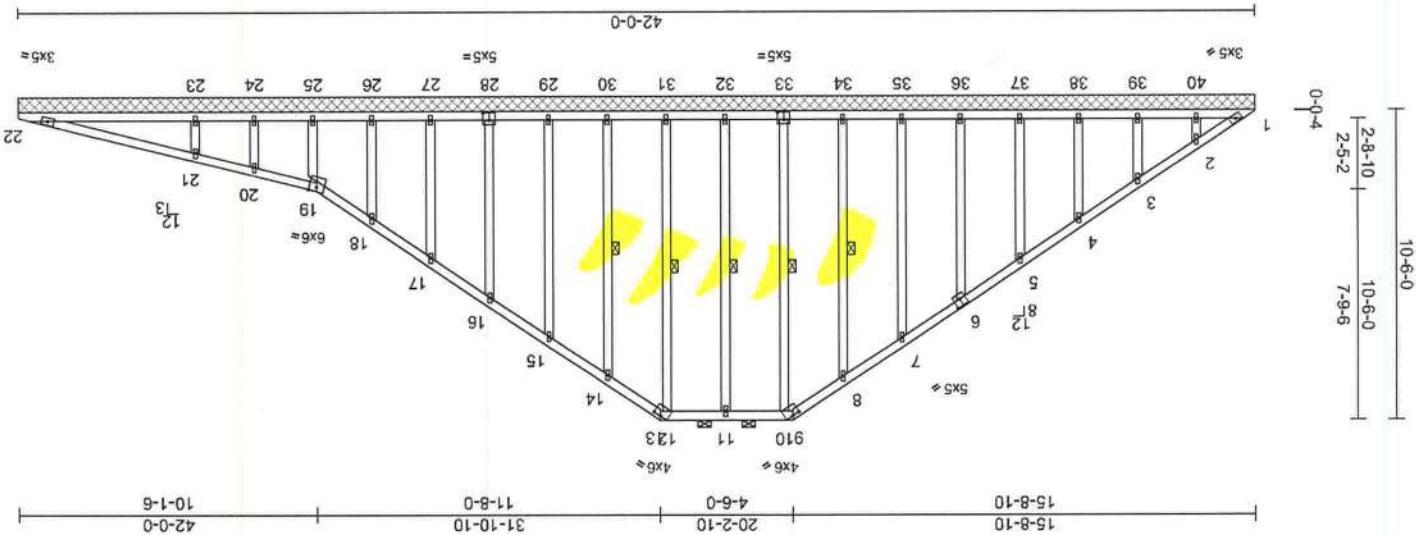


Plate Offsets (X, Y): [6'-0"-2'-8"-0"-3'-0"], [9'-0"-3'-0"-0"-2"], [13'-0"-3'-0"-0"-2"], [28'-0"-2'-8"-0"-3'-0"], [33'-0"-2'-8"-0"-3'-0"]
Scale = 1/73.8

Loading	Spacing	Code	Matrix-AS	DEFL	in	(loc)	L/d	PLATES	Weight: 279 lb FT = 20%
BCDL	10.0	Rep Stress Incr	NO	0.13	Horz(TL)	0.01	22	n/a	n/a
BCLL	0.0	Lumber DOL	1.25	0.35	Vert(TL)	n/a	-	n/a	999
TCDL	10.0	Plate Gnp DOL	1.25	0.37	Vert(LL)	n/a	-	n/a	999
TCLL (roof)	20.0	Spacing	2'-0"-0	CSI				MT20	244/190
	(psf)							GRIP	

LUMBER 2x4 SP No.2
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2
BRACING Structural wood sheathing directly applied, except 2'-0" oc purlins (10'-0" max.); 9'-13. Rigid ceiling directly applied. WEBS 1 Row at midpt 8'-34", 10'-33", 11'-32, 12'-31", 14'-30

REACTIONS (size) 1'-42'-0"-0, 22'-42'-0"-0, 23'-42'-0"-0, 24'-42'-0"-0, 25'-42'-0"-0, 26'-42'-0"-0, 27'-42'-0"-0, 28'-42'-0"-0, 29'-42'-0"-0, 30'-42'-0"-0, 31'-42'-0"-0, 32'-42'-0"-0, 33'-42'-0"-0, 34'-42'-0"-0, 35'-42'-0"-0, 36'-42'-0"-0, 37'-42'-0"-0, 38'-42'-0"-0, 39'-42'-0"-0, 40'-42'-0"-0

Max Horiz 1'-200 (LC 10)
Max Uplift 1'-49 (LC 10), 23'-4 (LC 12), 24'-23 (LC 11), 26'-22 (LC 12), 27'-21 (LC 12), 28'-20 (LC 12), 29'-26 (LC 12), 30'-8 (LC 12), 32'-2 (LC 12), 34'-5 (LC 12), 35'-27 (LC 12), 36'-20 (LC 12), 37'-21 (LC 12), 38'-20 (LC 12), 39'-25 (LC 12), 40'-3 (LC 12), 41'-00 (LC 18), 22'-189 (LC 1), 23'-518 (LC 1), 24'-5 (LC 12), 25'-194 (LC 1), 26'-154 (LC 18), 27'-168 (LC 18), 28'-165 (LC 18), 29'-166 (LC 18), 30'-165 (LC 18), 31'-171 (LC 24), 32'-165 (LC 23), 33'-171 (LC 17), 34'-170 (LC 17), 35'-165 (LC 17), 36'-165 (LC 17), 37'-164 (LC 17), 38'-166 (LC 17), 39'-164 (LC 17), 40'-178 (LC 23)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 9'-10=-97/325, 10'-11=-97/325, 11'-12=-97/325, 12'-13=-97/325, 13'-14=-110/353, 14'-15=-87/288, 15'-16=-60/203, 16'-17=-34/124, 17'-18=-30/73, 18'-19=-48/64, 19'-20=-189/189, 20'-21=-133/74, 21'-22=-119/154, 22'-23=-106/136, 23'-24=-89/290, 24'-25=-110/352, 25'-26=-88/77, 26'-27=-104/62, 27'-28=-88/77, 28'-29=-104/62, 29'-30=-71/191, 30'-31=-71/191, 31'-32=-71/191, 32'-33=-71/191, 33'-34=-71/191, 34'-35=-71/191, 35'-36=-71/191, 36'-37=-71/191, 37'-38=-71/191, 38'-39=-71/191, 39'-40=-71/191, 40'-41=-71/191, 41'-42=-71/191, 42'-43=-71/191, 43'-44=-71/191, 44'-45=-71/191, 45'-46=-71/191, 46'-47=-71/191, 47'-48=-71/191, 48'-49=-71/191, 49'-50=-71/191, 50'-51=-71/191, 51'-52=-71/191, 52'-53=-71/191, 53'-54=-71/191, 54'-55=-71/191, 55'-56=-71/191, 56'-57=-71/191, 57'-58=-71/191, 58'-59=-71/191, 59'-60=-71/191, 60'-61=-71/191, 61'-62=-71/191, 62'-63=-71/191, 63'-64=-71/191, 64'-65=-71/191, 65'-66=-71/191, 66'-67=-71/191, 67'-68=-71/191, 68'-69=-71/191, 69'-70=-71/191, 70'-71=-71/191, 71'-72=-71/191, 72'-73=-71/191, 73'-74=-71/191, 74'-75=-71/191, 75'-76=-71/191, 76'-77=-71/191, 77'-78=-71/191, 78'-79=-71/191, 79'-80=-71/191, 80'-81=-71/191, 81'-82=-71/191, 82'-83=-71/191, 83'-84=-71/191, 84'-85=-71/191, 85'-86=-71/191, 86'-87=-71/191, 87'-88=-71/191, 88'-89=-71/191, 89'-90=-71/191, 90'-91=-71/191, 91'-92=-71/191, 92'-93=-71/191, 93'-94=-71/191, 94'-95=-71/191, 95'-96=-71/191, 96'-97=-71/191, 97'-98=-71/191, 98'-99=-71/191, 99'-100=-71/191, 100'-101=-71/191, 101'-102=-71/191, 102'-103=-71/191, 103'-104=-71/191, 104'-105=-71/191, 105'-106=-71/191, 106'-107=-71/191, 107'-108=-71/191, 108'-109=-71/191, 109'-110=-71/191, 110'-111=-71/191, 111'-112=-71/191, 112'-113=-71/191, 113'-114=-71/191, 114'-115=-71/191, 115'-116=-71/191, 116'-117=-71/191, 117'-118=-71/191, 118'-119=-71/191, 119'-120=-71/191, 120'-121=-71/191, 121'-122=-71/191, 122'-123=-71/191, 123'-124=-71/191, 124'-125=-71/191, 125'-126=-71/191, 126'-127=-71/191, 127'-128=-71/191, 128'-129=-71/191, 129'-130=-71/191, 130'-131=-71/191, 131'-132=-71/191, 132'-133=-71/191, 133'-134=-71/191, 134'-135=-71/191, 135'-136=-71/191, 136'-137=-71/191, 137'-138=-71/191, 138'-139=-71/191, 139'-140=-71/191, 140'-141=-71/191, 141'-142=-71/191, 142'-143=-71/191, 143'-144=-71/191, 144'-145=-71/191, 145'-146=-71/191, 146'-147=-71/191, 147'-148=-71/191, 148'-149=-71/191, 149'-150=-71/191, 150'-151=-71/191, 151'-152=-71/191, 152'-153=-71/191, 153'-154=-71/191, 154'-155=-71/191, 155'-156=-71/191, 156'-157=-71/191, 157'-158=-71/191, 158'-159=-71/191, 159'-160=-71/191, 160'-161=-71/191, 161'-162=-71/191, 162'-163=-71/191, 163'-164=-71/191, 164'-165=-71/191, 165'-166=-71/191, 166'-167=-71/191, 167'-168=-71/191, 168'-169=-71/191, 169'-170=-71/191, 170'-171=-71/191, 171'-172=-71/191, 172'-173=-71/191, 173'-174=-71/191, 174'-175=-71/191, 175'-176=-71/191, 176'-177=-71/191, 177'-178=-71/191, 178'-179=-71/191, 179'-180=-71/191, 180'-181=-71/191, 181'-182=-71/191, 182'-183=-71/191, 183'-184=-71/191, 184'-185=-71/191, 185'-186=-71/191, 186'-187=-71/191, 187'-188=-71/191, 188'-189=-71/191, 189'-190=-71/191, 190'-191=-71/191, 191'-192=-71/191, 192'-193=-71/191, 193'-194=-71/191, 194'-195=-71/191, 195'-196=-71/191, 196'-197=-71/191, 197'-198=-71/191, 198'-199=-71/191, 199'-200=-71/191, 200'-201=-71/191, 201'-202=-71/191, 202'-203=-71/191, 203'-204=-71/191, 204'-205=-71/191, 205'-206=-71/191, 206'-207=-71/191, 207'-208=-71/191, 208'-209=-71/191, 209'-210=-71/191, 210'-211=-71/191, 211'-212=-71/191, 212'-213=-71/191, 213'-214=-71/191, 214'-215=-71/191, 215'-216=-71/191, 216'-217=-71/191, 217'-218=-71/191, 218'-219=-71/191, 219'-220=-71/191, 220'-221=-71/191, 221'-222=-71/191, 222'-223=-71/191, 223'-224=-71/191, 224'-225=-71/191, 225'-226=-71/191, 226'-227=-71/191, 227'-228=-71/191, 228'-229=-71/191, 229'-230=-71/191, 230'-231=-71/191, 231'-232=-71/191, 232'-233=-71/191, 233'-234=-71/191, 234'-235=-71/191, 235'-236=-71/191, 236'-237=-71/191, 237'-238=-71/191, 238'-239=-71/191, 239'-240=-71/191, 240'-241=-71/191, 241'-242=-71/191, 242'-243=-71/191, 243'-244=-71/191, 244'-245=-71/191, 245'-246=-71/191, 246'-247=-71/191, 247'-248=-71/191, 248'-249=-71/191, 249'-250=-71/191, 250'-251=-71/191, 251'-252=-71/191, 252'-253=-71/191, 253'-254=-71/191, 254'-255=-71/191, 255'-256=-71/191, 256'-257=-71/191, 257'-258=-71/191, 258'-259=-71/191, 259'-260=-71/191, 260'-261=-71/191, 261'-262=-71/191, 262'-263=-71/191, 263'-264=-71/191, 264'-265=-71/191, 265'-266=-71/191, 266'-267=-71/191, 267'-268=-71/191, 268'-269=-71/191, 269'-270=-71/191, 270'-271=-71/191, 271'-272=-71/191, 272'-273=-71/191, 273'-274=-71/191, 274'-275=-71/191, 275'-276=-71/191, 276'-277=-71/191, 277'-278=-71/191, 278'-279=-71/191, 279'-280=-71/191, 280'-281=-71/191, 281'-282=-71/191, 282'-283=-71/191, 283'-284=-71/191, 284'-285=-71/191, 285'-286=-71/191, 286'-287=-71/191, 287'-288=-71/191, 288'-289=-71/191, 289'-290=-71/191, 290'-291=-71/191, 291'-292=-71/191, 292'-293=-71/191, 293'-294=-71/191, 294'-295=-71/191, 295'-296=-71/191, 296'-297=-71/191, 297'-298=-71/191, 298'-299=-71/191, 299'-300=-71/191, 300'-301=-71/191, 301'-302=-71/191, 302'-303=-71/191, 303'-304=-71/191, 304'-305=-71/191, 305'-306=-71/191, 306'-307=-71/191, 307'-308=-71/191, 308'-309=-71/191, 309'-310=-71/191, 310'-311=-71/191, 311'-312=-71/191, 312'-313=-71/191, 313'-314=-71/191, 314'-315=-71/191, 315'-316=-71/191, 316'-317=-71/191, 317'-318=-71/191, 318'-319=-71/191, 319'-320=-71/191, 320'-321=-71/191, 321'-322=-71/191, 322'-323=-71/191, 323'-324=-71/191, 324'-325=-71/191, 325'-326=-71/191, 326'-327=-71/191, 327'-328=-71/191, 328'-329=-71/191, 329'-330=-71/191, 330'-331=-71/191, 331'-332=-71/191, 332'-333=-71/191, 333'-334=-71/191, 334'-335=-71/191, 335'-336=-71/191, 336'-337=-71/191, 337'-338=-71/191, 338'-339=-71/191, 339'-340=-71/191, 340'-341=-71/191, 341'-342=-71/191, 342'-343=-71/191, 343'-344=-71/191, 344'-345=-71/191, 345'-346=-71/191, 346'-347=-71/191, 347'-348=-71/191, 348'-349=-71/191, 349'-350=-71/191, 350'-351=-71/191, 351'-352=-71/191, 352'-353=-71/191, 353'-354=-71/191, 354'-355=-71/191, 355'-356=-71/191, 356'-357=-71/191, 357'-358=-71/191, 358'-359=-71/191, 359'-360=-71/191, 360'-361=-71/191, 361'-362=-71/191, 362'-363=-71/191, 363'-364=-71/191, 364'-365=-71/191, 365'-366=-71/191, 366'-367=-71/191, 367'-368=-71/191, 368'-369=-71/191, 369'-370=-71/191, 370'-371=-71/191, 371'-372=-71/191, 372'-373=-71/191, 373'-374=-71/191, 374'-375=-71/191, 375'-376=-71/191, 376'-377=-71/191, 377'-378=-71/191, 378'-379=-71/191, 379'-380=-71/191, 380'-381=-71/191, 381'-382=-71/191, 382'-383=-71/191, 383'-384=-71/191, 384'-385=-71/191, 385'-386=-71/191, 386'-387=-71/191, 387'-388=-71/191, 388'-389=-71/191, 389'-390=-71/191, 390'-391=-71/191, 391'-392=-71/191, 392'-393=-71/191, 393'-394=-71/191, 394'-395=-71/191, 395'-396=-71/191, 396'-397=-71/191, 397'-398=-71/191, 398'-399=-71/191, 399'-400=-71/191, 400'-401=-71/191, 401'-402=-71/191, 402'-403=-71/191, 403'-404=-71/191, 404'-405=-71/191, 405'-406=-71/191, 406'-407=-71/191, 407'-408=-71/191, 408'-409=-71/191, 409'-410=-71/191, 410'-411=-71/191, 411'-412=-71/191, 412'-413=-71/191, 413'-414=-71/191, 414'-415=-71/191, 415'-416=-71/191, 416'-417=-71/191, 417'-418=-71/191, 418'-419=-71/191, 419'-420=-71/191, 420'-421=-71/191, 421'-422=-71/191, 422'-423=-71/191, 423'-424=-71/191, 424'-425=-71/191, 425'-426=-71/191, 426'-427=-71/191, 427'-428=-71/191, 428'-429=-71/191, 429'-430=-71/191, 430'-431=-71/191, 431'-432=-71/191, 432'-433=-71/191, 433'-434=-71/191, 434'-435=-71/191, 435'-436=-71/191, 436'-437=-71/191, 437'-438=-71/191, 438'-439=-71/191, 439'-440=-71/191, 440'-441=-71/191, 441'-442=-71/191, 442'-443=-71/191, 443'-444=-71/191, 444'-445=-71/191, 445'-446=-71/191, 446'-447=-71/191, 447'-448=-71/191, 448'-449=-71/191, 449'-450=-71/191, 450'-451=-71/191, 451'-452=-71/191, 452'-453=-71/191, 453'-454=-71/191, 454'-455=-71/191, 455'-456=-71/191, 456'-457=-71/191, 457'-458=-71/191, 458'-459=-71/191, 459'-460=-71/191, 460'-461=-71/191, 461'-462=-71/191, 462'-463=-71/191, 463'-464=-71/191, 464'-465=-71/191, 465'-466=-71/191, 466'-467=-71/191, 467'-468=-71/191, 468'-469=-71/191, 469'-470=-71/191, 470'-471=-71/191, 471'-472=-71/191, 472'-473=-71/191, 473'-474=-71/191, 474'-475=-71/191, 475'-476=-71/191, 476'-477=-71/191, 477'-478=-71/191, 478'-479=-71/191, 479'-480=-71/191, 480'-481=-71/191, 481'-482=-71/191, 482'-483=-71/191, 483'-484=-71/191, 484'-485=-71/191, 485'-486=-71/191, 486'-487=-71/191, 487'-488=-71/191, 488'-489=-71/191, 489'-490=-71/191, 490'-491=-71/191, 491'-492=-71/191, 492'-493=-71/191, 493'-494=-71/191, 494'-495=-71/191, 495'-496=-71/191, 496'-497=-71/191, 497'-498=-71/191, 498'-499=-71/191, 499'-500=-71/191, 500'-501=-71/191, 501'-502=-71/191, 502'-503=-71/191, 503'-504=-71/191, 504'-505=-71/191, 505'-506=-71/191, 506'-507=-71/191, 507'-508=-71/191, 508'-509=-71/191, 509'-510=-71/191, 510'-511=-71/191, 511'-512=-71/191, 512'-513=-71/191, 513'-514=-71/191, 514'-515=-71/191, 515'-516=-71/191, 516'-517=-71/191, 517'-518=-71/191, 518'-519=-71/191, 519'-520=-71/191, 520'-521=-71/191, 521'-522=-71/191, 522'-523=-71/191, 523'-524=-71/191, 524'-525=-71/191, 525'-526=-71/191, 526'-527=-71/191, 527'-528=-71/191, 528'-529=-71/191, 529'-530=-71/191, 530'-531=-71/191, 531'-532=-71/191, 532'-533=-71/191, 533'-534=-71/191, 534'-535=-71/191, 535'-536=-71/191, 536'-537=-71/191, 537'-538=-71/191, 538'-539=-71/191, 539'-540=-71/191, 540'-541=-71/191, 541'-542=-71/191, 542'-543=-71/191, 543'-544=-71/191, 544'-545=-71/191, 545'-546=-71/191, 546'-547=-71/191, 547'-548=-71/191, 548'-549=-71/191, 549'-550=-71/191, 550'-551=-71/191, 551'-552=-71/191, 552'-553=-71/191, 553'-554=-71/191, 554'-555=-71/191, 555'-556=-71/191, 556'-557=-71/191, 557'-558=-71/191, 558'-559=-71/191, 559'-560=-71/191, 560'-561=-71/191, 561'-562=-71/191, 562'-563=-71/191, 563'-564=-71/191, 564'-565=-71/191, 565'-566=-71/191, 566'-567=-71/191, 567'-568=-71/191, 568'-569=-71/191, 569'-570=-71/191, 570'-571=-71/191, 571'-572=-71/191, 572'-573=-71/191, 573'-574=-71/191, 574'-575=-71/191, 575'-576=-71/191, 576'-577=-71/191, 577'-578=-71/191, 578'-579=-71/191, 579'-580=-71/191, 580'-581=-71/191, 581'-582=-71/191, 582'-583=-71/191, 583'-584=-71/191, 584'-585=-71/191, 585'-586=-71/191, 586'-587=-71/191, 587'-588=-71/191, 588'-589=-71/191, 589'-590=-71/191, 590'-591=-71/191, 591'-592=-71/191, 592'-593=-71/191, 593'-594=-71/191, 594'-595=-71/191, 595'-596=-71/191, 596'-597=-71/191, 597'-598=-71/191, 598'-599=-71/191, 599'-600=-71/191, 600'-601=-71/191, 601'-602=-71/191, 602'-603=-71/191, 603'-604=-71/191, 604'-605=-71/191, 605'-606=-71/191, 606'-607=-71/191, 607'-608=-71/191, 608'-609=-71/191, 609'-610=-71/191, 610'-611=-71/191, 611'-612=-71/191, 612'-613=-71/191, 613'-614=-71/191, 614'-615=-71/191, 615'-616=-71/191, 616'-617=-71/191, 617'-618=-71/191, 618'-619=-71/191, 619'-620=-71/191, 620'-621=-71/191, 621'-622=-71/191, 622'-623=-71/191, 623'-624=-71/191, 624'-625=-71/191, 625'-626=-71/191, 626'-627=-71/191, 627'-628=-71/191, 628'-629=-71/191, 629'-630=-71/191, 630'-631=-71/191, 631'-632=-71/191, 632'-633=-71/191, 633'-634=-71/191, 634'-635=-71/191, 635'-636=-71/191, 636'-637=-71/191, 637'-638=-71/191, 638'-639=-71/191, 639'-640=-71/191, 640'-641=-71/191, 641'-642=-71/191, 642'-643=-71/191, 643'-644=-71/191, 644'-645=-71/191, 645'-646=-71/191, 646'-647=-71/191, 647'-648=-71/191, 648'-649=-71/191, 649'-650=-71/191, 650'-651=-71/191, 651'-652=-71/191, 652'-653=-71/191, 653'-654=-71/191, 654'-655=-71/191, 655'-656=-71/191, 656'-657=-71/191, 657'-658=-71/191, 658'-659=-71/191, 659'-660=-71/191, 660'-661=-71/191, 661'-662=-71/191, 662'-663=-71/191, 6

Job	Truss	A01	Piggyback Base Supported Gable	Qty	1	Ply	1	Job Reference (optional)	T32673329
-----	-------	-----	--------------------------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MITEK Industries, Inc. Thu Jan 18 13:02:33
ID:24D5d3ukNMWgwhnYd8hTF7Ylms-RtC7P5B70Hq3NSgPqnlBw3uITXbGKWtCDdJ7J4ZJC7f

- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-06'-00" tall by 2'-00'-00" wide will fit between the bottom chord and any other members.
- 11) All bearings are assumed to be SP No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 3 lb uplift at joint 40, 25 lb uplift at joint 39, 20 lb uplift at joint 36, 27 lb uplift at joint 35, 5 lb uplift at joint 34, 2 lb uplift at joint 32, 8 lb uplift at joint 30, 26 lb uplift at joint 29, 20 lb uplift at joint 28, 21 lb uplift at joint 27, 22 lb uplift at joint 26, 23 lb uplift at joint 24 and 4 lb uplift at joint 23.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/12/2023 BEFORE USE. Design valid for use only with MITEK connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing required for stability and to prevent buckling of individual truss web and/or chord members only. Additional guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpiinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbccomponents.com).

MITEK
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MITEK-US.com

16023 Swingle Ridge Rd.
Chestfield, MO 63017
314.434.1200 / MITek-US.com

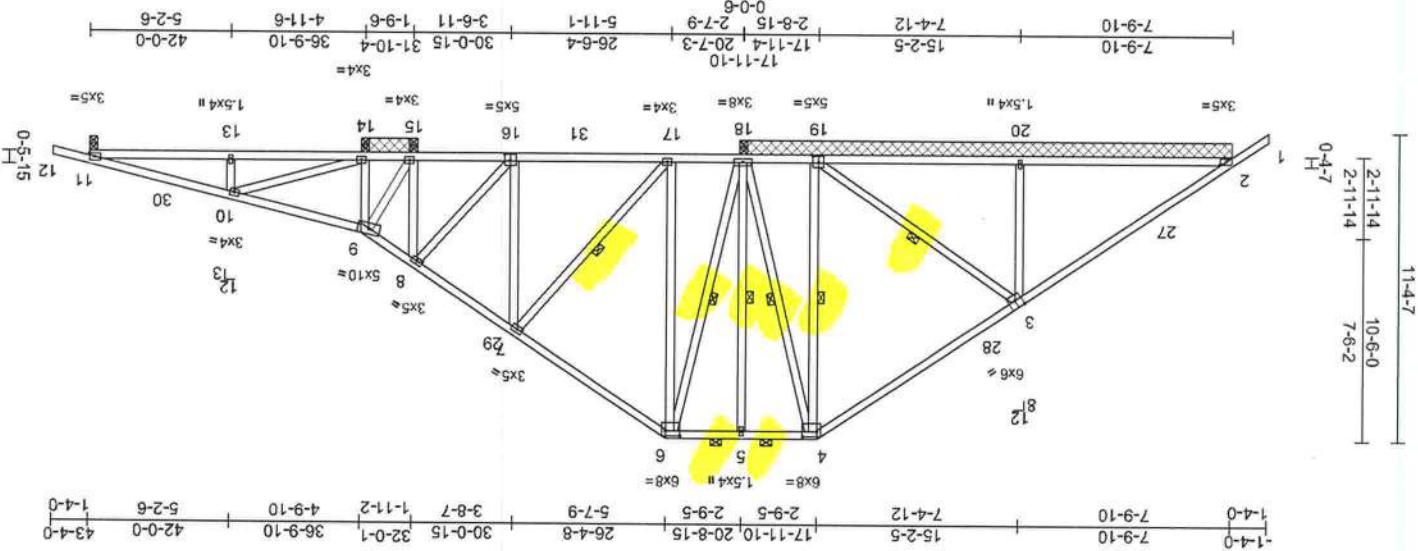
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITRE REFERENCE PAGE M47-REV. 1/2/2023 BEFORE USE. Design valid for use only with Mitrekey connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing is indicated to prevent buckling of individual truss web and/or chord members only. For additional guidance regarding the fabrication of the truss, the designer should consult with a professional engineer with regard to possible personal injury and/or third party property damage liability and to ensure that the design meets all applicable codes and standards. See ASCE 7-16, Chapter 6, and BSR-22, available from <https://www.bsccomponents.com>, and BCS1 Building Component Safety Information, available from the Structural Building Components Association (<https://www.bsccomponents.com>).

Job	Truss	Truss Type	Qty	Job Reference (optional)
1223-036	A04	Piggyback Base	1	
			Ply	1

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:37
ID:JKGTH3T3mk02gkxib6BpujY7IhR-RIC7P8B70Hq3NSgPgnLBw3uITXBGKWfCDoITJ4zJC7r

Page: 1



Scale = 1/8" = 1'-0"
Plate Offsets (X, Y): [2:0-2-9:0-1-8], [3:0-3-0-Edge], [4:0-6-4:0-2-4], [6:0-6-4:0-2-4], [6:0-2-8:0-3-0], [19:0-2-8:0-3-0]

Loading	Spacing	Code	Matrix-AS	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP	Weight: 285 lb	FT = 20%
TCLL (roof)	20.0	Plate Gnp DOL	TC	0.57	-0.09	20-23	>488	180	MT20	244/190	
TCDL	10.0	Lumber DOL	BC	0.51	-0.19	20-23	>488	180	MT20	244/190	
BCLL	0.0	Rep Stress Incr	WB	0.39	0.01	11	n/a	n/a			
BCDL	10.0	FBCC2023/TP12014									

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-22: V=130mph (3-second gust)
Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft;
B=45ft; L=42ft; eave=6ft; Cal. II; Exp. B; Enclosed;
MWFRS (directional) and C-C Zones 3-1-4-0 to 2-1-0-5;
Zone 1 2-10-5 to 15-2-5, Zone 3 15-2-5 to 20-8-15, Zone 2
20-8-15 to 26-8-3, Zone 1 26-8-3 to 43-4-0 zone;
cantilever left and right exposed; end vertical left and
right exposed; C-C for members and forces & MWFRS
for reactions shown; Lumber DOL=1.60 plate gnp
DOL=1.60

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied, except

2-0-0 oc purlins (10-0-0 max.); 4-6.

RECTIONS (size)
1 Row at midpt 4-18, 6-18
2=18-1-0, 11=0-3-8, 14=2-0-14,
15=2-0-14, 18=18-1-0, 19=18-1-0,

20=18-1-0, 21=18-1-0
Max Horiz 2=205 (LC 10), 21=205 (LC 10)
Max Uplift 2=42 (LC 12), 11=34 (LC 12),
15=16 (LC 12), 18=23 (LC 12),
21=42 (LC 12)

2=421 (LC 23), 11=407 (LC 18),
14=691 (LC 18), 15=622 (LC 18),
18=705 (LC 18), 19=463 (LC 17),
20=661 (LC 17), 21=421 (LC 23)

(b) - Maximum Compression/Maximum
Tension
1-2=0/44, 2-4=253/136, 4-5=59/141,
5-6=59/141, 6-7=192/135, 7-8=217/6,
8-9=0/275, 9-10=0/359, 10-11=538/59,
11-12=0/19

2-20=43/195, 18-20=92/200,
17-18=54/152, 15-17=229/154,
14-15=34/162, 13-14=0/496,
3-20=352/103, 3-19=191/127,
4-19=162/55, 6-17=13/295, 7-17=143/109,
7-16=222/70, 9-14=335/27, 10-14=58/60,
8-15=750/41, 9-15=0/206, 8-16=7/534,
10-13=0/207

FORCES
TOP CHORD
BOT CHORD
WEBS

TOP CHORD
2-20=43/195, 18-20=92/200,
17-18=54/152, 15-17=229/154,
14-15=34/162, 13-14=0/496,
3-20=352/103, 3-19=191/127,
4-19=162/55, 6-17=13/295, 7-17=143/109,
7-16=222/70, 9-14=335/27, 10-14=58/60,
8-15=750/41, 9-15=0/206, 8-16=7/534,
10-13=0/207

WEBS
10-13=0/207
8-15=750/41, 9-15=0/206, 8-16=7/534,
5-16=137/66, 4-18=164/67, 6-18=508/96,
7-16=222/70, 9-14=335/27, 10-14=58/60,
4-19=162/55, 6-17=13/295, 7-17=143/109,
3-20=352/103, 3-19=191/127,
14-15=34/162, 13-14=0/496,
17-18=54/152, 15-17=229/154,
17-18=54/152, 15-17=229/154,
14-15=34/162, 13-14=0/496,
3-20=352/103, 3-19=191/127,
4-19=162/55, 6-17=13/295, 7-17=143/109,
7-16=222/70, 9-14=335/27, 10-14=58/60,
8-15=750/41, 9-15=0/206, 8-16=7/534,
10-13=0/207

LOAD CASE(S) Standard
10) Graphical purlin representation does not depict the size
of the orientation of the purlin along the top and/or
bottom chord.
9) This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.
8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 42 lb uplift at joint
2, 23 lb uplift at joint 18, 16 lb uplift at joint 15, 34 lb uplift
at joint 11 and 42 lb uplift at joint 2.
7) All bearings are assumed to be SP No.2.
6) This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCDL = 10.0psf.
5) This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCDL = 10.0psf.
4) Provide adequate drainage to prevent water ponding.
3) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.

NOTES
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component, not
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
is always required for stability, erection and bracing of trusses and truss systems, see ANS/TFI Quality Criteria and DSB-22 available from the Structural Building Component Association (www.sbccscomponents.com)
and BCS Building Component Safety Information available from the Structural Building Component Association (www.sbccscomponents.com)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

MITTEK
16023 Swingle Ridge Rd.
Cheslerfield, MO 63017
314.434.1200 / Mitek-US.com

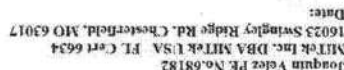
PROFESSIONAL ENGINEER
STATE OF FLORIDA
JOAQUIN VELAZQUEZ
No. 68182

MITTEK Inc. DBA MITTEK USA
16023 Swingle Ridge Rd. Chesterfield, MO 63017
Date: January 19, 2024

Scale = 1:81.9
Plate Offsets (X, Y): [2:0:1-2,Edge] [3:0:2-8,0-3-4], [4:0:3-4,0-2-4], [6:0:6-4,0-2-4], [13:0:2-8,0-2-8], [15:0:2-8,0-3-0], [18:0:2-8,0-3-4]



Wind: ASCE 7-22, V_W1=130mph (3-second gust)
V_Wsd=101mph, TCDF=6.0psf, BCDF=6.0psf, h=15ft;
B=5ft; L=42ft, eave=5ft; Cat. II, Exp. B; Endorse:
WFR1 (directional) and C-C Zone3 1-4-to 2-10-6,
Zone1 2-10-6 to 15-2-5, Zone3 15-2-5 to 20-8-15, Zone2
20-8-15 to 26-8-3, Zone1 26-8-3 to 43-4-0 zone;
cantilever left and right exposed ; end vertical left and
right exposed; C-C for members and forces & MWFRS
for reactions shown; Lumber DOL=1.50 plate grip
DOL=1.60
Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
Provide adequate drainage to prevent water ponding.
This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
* This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members.
All bearings are assumed to be SP No.2 .
Bearing at joint(s) 2 considers parallel to grain value
using ANS/TFP 1 angle to grain formula. Building
designer should verify capacity of bearing surface.
Provide mechanical connection (joist or truss to
bearing plate capable of withstanding 66 lb uplift at joint
2 and 38 lb uplift at joint 1.
10 and 38 lb uplift at joint 2.
This truss design requires that a minimum of 7/16"
structural wood sheathing be applied to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.
1) Graphical purlin representation does not depict the size
or the orientation of the purlin along the top and/or
bottom chord.
LOAD CASES) Standard



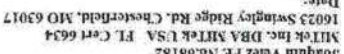
Page: 1

Table 1. *Continued*

PLATES
MT20
GRIP
244/190
Weight: 248 lb FT = 20%

LOAD CASE(S) Standard

(2) Wind: ASCE 7-22, UCLF=130mph (3-second gust)
Wind=101mph; TCDF=6.0psf; BCDL=6.0psf; h=15ft;
B=44ft; L=42ft; eave=5ft; Cat. II; exp. B; Endocsed;
W/MFRS (directional) and C-C Zone3 -1-4-0 to 2-1-0-6;
Zone1 2-10-6 to 15-2-5, Zone3 15-2-5 to 20-8-15, Zone2
20-8-15 to 26-8-3, Zone1 26-8-3 to 43-4-0 zone;
cantilever left and right exposed ; end vertical left and
right exposed; C-C for members and forces & M/WFRS
for reactions shown; Lumber DOL=1.60 plate grip
DOL=1.60
(3) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
(4) Provide adequate drainage to prevent water ponding.
(5) This truss has been designed for a 10.0 psf bottom
chord live load nonconcurrent with any other live loads.
(6) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-0-0-0 tall by 2-0-0-0 wide will fit between the bottom
chord and any other members.
(7) All bearings are assumed to be SP No. 2 .
(8) Provide mechanical connection (by others) of truss to
bearing plate capable of withstanding 37 k uplift at joint
(9) 2 and 48 k uplift at joint 11 .
(2) This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to the
bottom chord.
(10) Graphical purlin representation does not depict the size
or the orientation of the purlin along the top and/or
bottom chord.
Standard LOAD CASE(S)



MITek
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MITek-US.com

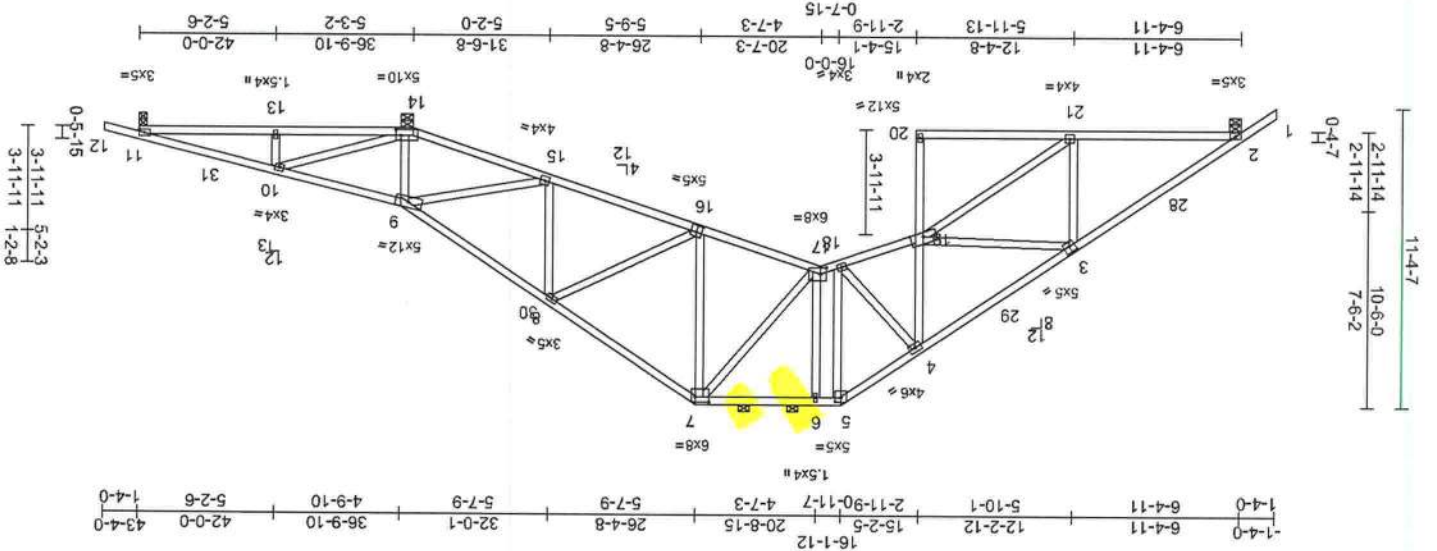
Design valid for use only with MITLtek connectors. This design is based only upon parameters known, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate the design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or panel members only. Additional temporary and permanent bracing is required for stability and to prevent collapse with possible personal injury and property damage. For general guidelines regarding the required bracing, fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI-1 Quality Criteria and DSS-22 available from Truss Institute (www.tpinstitute.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcccomponent.com).

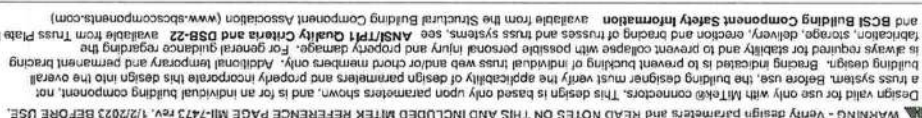
Job	1223-036	Truss	A07	Piggyback Base	Qty	1	Ply	1	Job Reference (optional)	T32673335
-----	----------	-------	-----	----------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8:73 5 Jan 4 2024 Print: 8:730 5 Jan 4 2024 MITek Industries, Inc. Thu Jan 18 13:02:39
ID: E13KfH2qZrCVWU4JGy7Vb-RIC7P5B7DhQ3NSgPqnlBw3uITXBGKWChD0i7J4zJC7F

Page: 1



Scale = 1:82.8

Job	1223-036	Truss	A09	Piggyback Base	Qty	1	Ply	1	Job Reference (optional)	T32673337
-----	----------	-------	-----	----------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MITEK Industries, Inc. Thu Jan 18 13:02:40
ID: Rn9fSC6bYzK1Oa6eKMY7Ng-RfC7P5B70Hg3NSgPqnlBw3uITXbGKWfCDoJ7J4ZC7f

Page: 1

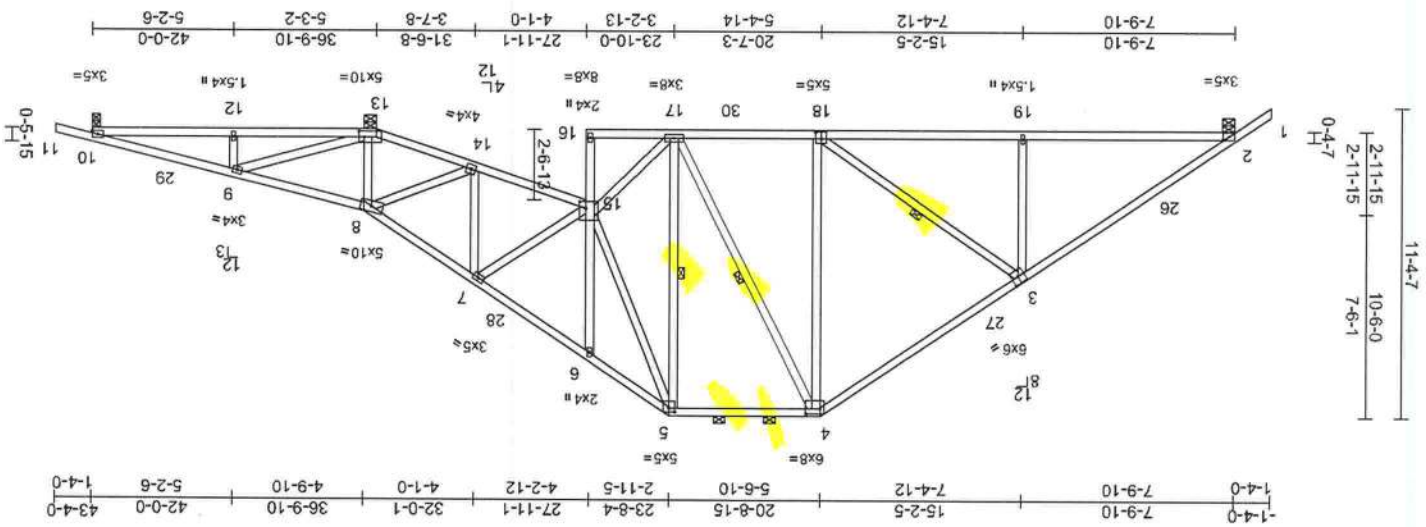


Plate Offsets (X, Y): [2:0-2-9-0-1-8], [3:0-3-0-0-3-4], [4:0-6-4-0-2-4], [5:0-2-8-0-1-13], [13:0-2-4-0-2-8], [15:0-2-12-0-3-0], [18:0-2-8-0-3-0]
Scale = 1/8" = 1'-0"

LOADING	TCLL (roof)	TCDL	BCLL	BCDL
(psf)	20.0	10.0	0.0	10.0
Spacing	2'-0-0	1'-2-5	YES	FBC2023/TP12014
Code	Matrix-AS	WB	0.44	Horz(CT)
CS	0.55	Vert(CT)	-0.12	19-22
DEFL	in (loc)	l/defl	L/D	PLATES
MT20	244/190	Weight: 266 lb	FT = 20%	

- 2) Wind: ASCE 7-22: Vult=130mph (3-second gust)
Vasd=101mph; TCCL=6.0psf; BCCL=6.0psf; h=15ft;
B=45ft; L=42ft; eave=5ft; Cal. II; Exp B; Endclosed;
MWFRS (directional) and C-C Zones 1-4 to 2-10-6;
Zone1 2-10-6 to 15-2-5, Zone3 15-2-5 to 20-8-15, Zone2
20-8-15 to 26-8-3, Zone1 26-8-3 to 43-4-0 zone;
cantilever left and right exposed; end vertical left and
right exposed; C-C for members and forces & MWFRS
for reactions shown; Lumber DOL=1.60 plate gfp
3) Building Designer / Project engineer responsible for
verifying applied roof live load shown covers rain loading
requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf
on the bottom chord in all areas where a rectangle
3-06-00 tall by 2-00-00 wide will fit between the bottom
chord and any other members, with BCCL = 10.0psf.
7) All bearings are assumed to be SP No.2.
8) Provide mechanical connection (by others) of truss to
2 and 39 lb uplift at joint 10.
9) This truss design requires that a minimum of 7/16"
structural wood sheathing be applied directly to the top
chord and 1/2" gypsum sheetrock be applied directly to
the bottom chord.
10) Graphical purlin representation does not depict the size
or the orientation of the purlin along the top and/or
bottom chord.

LOAD CASE(S) Standard

- 1) Unbalanced roof live loads have been considered for
this design.
- NOTES**
- WEBS**
- 8-14=135/1806, 9-13=978/55
7-14=1036/138, 8-13=1422/170,
5-15=677/23, 7-15=11776, 9-12=0/234,
4-17=428/68, 5-17=280/36, 15-17=0/1104,
3-19=0/329, 3-18=748/139, 4-18=1/693,
12-13=192/84, 10-12=192/84,
14-15=0/514, 13-14=1333/151,
16-17=5/14, 15-16=0/42, 6-15=200/137,
2-19=75/1666, 17-19=76/1663,
10-11=0/19
7-8=612/120, 8-9=622/1069, 9-10=96/214,
5-6=1322/322, 6-7=1360/229,
1-2=0/44, 2-4=191/1281, 4-5=614/276,
Tension
- TOP CHORD**
- FORCES**
- (b) - Maximum Compression/Maximum
Max Grav 2=1411 (LC 17), 10=270 (LC 24),
Max Uplift 2=34 (LC 12), 10=39 (LC 12)
Max Horiz 2=205 (LC 10)
1 Row at midpt 3-18, 4-17, 5-17
2=0-5-8, 10=0-3-8, 13=0-5-8
(size)
- RECTIONS**
- except
2-0-0 oc purlins (6-0-0 max.); 4-5,
Rigid ceiling directly applied,
1 Row at midpt 3-18, 4-17, 5-17
EBS
- POT CHORD**
- BRACING**
- Structural wood sheathing directly applied,
2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2



Joaquin Velez PE No.68182
Mitek Inc. DBA Mitek USA FL, Cart 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date: January 19, 2024

Mitek
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / Mitek-US.com

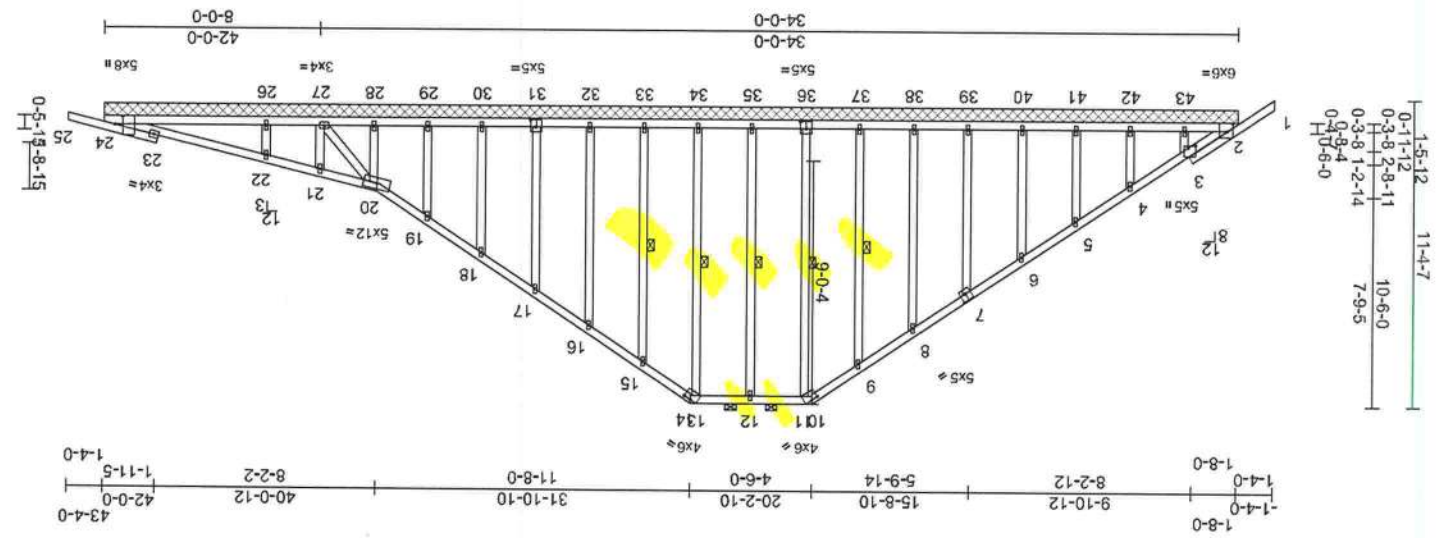
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpi.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcccomponents.com).

Job	1223-036	Truss	A10	Truss Type	Piggyback Base Supported Gable	Qty	1	Ply	1	Job Reference (optional)	T32673338
-----	----------	-------	-----	------------	--------------------------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8:73 S Jan 4 2024 Print: 8:730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:40
ID: jkqkvq_HcvXB70Hq3NSgPqLnLw3JlTXbGKwCDoJ7J4zJC7?

Page: 1



Scale = 1/80.5
Plate Offsets (X, Y): [2:0-2-9,Edge], [3:0-1-1,0-3-4], [7:0-2-8,0-0-0-2], [14:0-3-0,0-0-0-2], [24:0-3-8,Edge], [31:0-2-8,0-3-0], [36:0-2-8,0-3-0]

Loading	TCL (roof)	Plate Gnp DOL	Lumber DOL	Rep Stress Incr	Code	FBC2023/TP12014	Matrix-AS	DEFL	in (loc)	n/a	0.01	Horz(CT)	Ver(LL)	BC	WB	2=184 (LC 1), 24=275 (LC 1), 26=492 (LC 1), 27=77 (LC 17), 28=153 (LC 18), 29=155 (LC 18), 30=168 (LC 18), 31=164 (LC 18), 32=167 (LC 18), 33=163 (LC 18), 34=152 (LC 24), 35=166 (LC 24), 36=153 (LC 17), 37=167 (LC 17), 38=166 (LC 17), 39=165 (LC 17), 40=164 (LC 17), 41=164 (LC 17), 42=164 (LC 1), 43=148 (LC 17), 44=184 (LC 1), 47=275 (LC 1)	(b) - Maximum Compression/Maximum Tension	1-2=0/44, 2-3=-188/164, 3-4=-139/145, 4-5=-132/134, 5-6=-119/115, 6-8=-108/194, 8-9=-99/280, 9-10=-119/341, 10-11=-105/316, 11-12=-105/316, 12-13=-105/316, 13-14=-105/316, 14-15=-120/342, 15-16=-98/277, 16-17=-70/192, 17-18=-56/112, 18-19=-64/45, 19-20=-74/62, 20-21=-23/76, 21-22=-39/56, 22-24=-108/100, 24-25=0/19, 2-43=-63/206, 42-43=-63/206, 41-42=-63/206, 40-41=-63/206, 39-40=-63/206, 38-39=-63/206, 37-38=-63/206, 36-37=-63/206, 35-34=-63/206, 34-35=-63/206, 33-34=-63/206, 32-33=-63/206, 30-32=-63/206, 29-30=-63/206, 28-29=-63/206, 27-28=-67/213, 26-27=-61/136, 24-26=-61/136	Max Gray	FORCES	TOP CHORD	BOT CHORD	Max Horiz	Max Uplift	REACTIONS (size)	LUMBER	TOP CHORD	2x4 SP No.2	BOT CHORD	2x4 SP No.2	WEBS	2x4 SP No.2	OTHERS	2x4 SP No.2	BRACING	Structural wood sheathing directly applied, except	TOP CHORD	2-0 oc purlins (6-0 max.); 10-14, Rigid ceiling directly applied.	BOT CHORD	1 Row at midpt 9-37, 11-36, 12-35, 13-34, 15-33	WEBS	2-0 oc purlins (6-0 max.); 10-14, Rigid ceiling directly applied.	TOP CHORD	2-0 oc purlins (6-0 max.); 10-14, Rigid ceiling directly applied.	BOT CHORD	1 Row at midpt 9-37, 11-36, 12-35, 13-34, 15-33	REACTIONS (size)	2=42-0-0, 24=42-0-0, 26=42-0-0, 27=42-0-0, 28=42-0-0, 29=42-0-0, 30=42-0-0, 31=42-0-0, 32=42-0-0, 33=42-0-0, 34=42-0-0, 35=42-0-0, 36=42-0-0, 37=42-0-0, 38=42-0-0, 39=42-0-0, 40=42-0-0, 41=42-0-0, 42=42-0-0, 43=42-0-0, 44=42-0-0, 47=42-0-0, 2=206 (LC 10), 44=206 (LC 10), 2=18 (LC 8), 24=28 (LC 12), 27=25 (LC 11), 28=32 (LC 12), 29=22 (LC 12), 30=21 (LC 12), 31=20 (LC 12), 32=25 (LC 12), 33=9 (LC 12), 35=2 (LC 12), 37=6 (LC 12), 38=26 (LC 12), 39=20 (LC 12), 40=21 (LC 12), 41=20 (LC 12), 42=21 (LC 12), 44=18 (LC 8), 47=28 (LC 12)
---------	------------	---------------	------------	-----------------	------	-----------------	-----------	------	----------	-----	------	----------	---------	----	----	--	---	--	----------	--------	-----------	-----------	-----------	------------	------------------	--------	-----------	-------------	-----------	-------------	------	-------------	--------	-------------	---------	--	-----------	---	-----------	---	------	---	-----------	---	-----------	---	------------------	--

WEBS 3-43=-115/98, 4-42=-123/14, 5-41=-125/120, 6-40=-124/130, 7-39=-125/119, 8-38=-126/132, 9-37=-127/89, 11-36=-113/2, 12-35=-126/81, 13-34=-112/3, 15-33=-123/96, 16-32=-126/130, 17-31=-125/119, 18-30=-126/121, 19-29=-120/120, 20-28=-95/143, 21-27=-29/44, 22-26=-322/181, 20-27=-118/22

NOTES 1) Unbalanced roof live loads have been considered for this design. 2) Wind: ASCE 7-22, Vult=130mph (3-second gust), B=45ft, L=42ft, eave=2ft, Cat. II, Exp B, Enclosed; MMWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; and vertical left and right exposed; C-C for members and forces & MMWFRS for reactions shown. Lumber gnp

DOL=1.60



Joaquin Velazquez, P.E. No. 68182
Mitek Inc. DBA Mitek USA, FL, Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date: January 19, 2024

Job	Truss	Truss Type	Piggyback Base Supported Gable	Qty	1	Ply	1	Job Reference (optional)	T32673338
-----	-------	------------	--------------------------------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MITtek Industries, Inc. Thu Jan 18 13:02:40

ID:lqkvq_LHcvlXJKfBLa0l8ly7Pph-RfC7Pc8B70Hq3NSgPqnlBw3uITXbGKwVhCDoi7J4zJC7f

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 1.5x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Gable studs spaced at 2'-0" oc.
- 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0"-0'-0" tall by 2'-0"-0'-0" wide will fit between the bottom chord and any other members.
- 11) All bearings are assumed to be SP No.2.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 2, 28 lb uplift at joint 24, 21 lb uplift at joint 42, 20 lb uplift at joint 41, 21 lb uplift at joint 40, 20 lb uplift at joint 39, 26 lb uplift at joint 38, 6 lb uplift at joint 37, 2 lb uplift at joint 35, 9 lb uplift at joint 33, 25 lb uplift at joint 32, 20 lb uplift at joint 28, 25 lb uplift at joint 27, 18 lb uplift at joint 2 and 28 lb uplift at joint 24.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- LOAD CASE(S) Standard

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with Mittek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional guidance regarding the building system, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DBB-22** available from Truss Plate Institute (www.tpiinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbccscomponents.com)

Mittek®

16023 Swingley Ridge Rd.
Chestfield, MO 63017
314.434.1200 / Mittek-US.com

Joaquin Velez PE No.68182
MITEK Inc. DBA MITEK USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

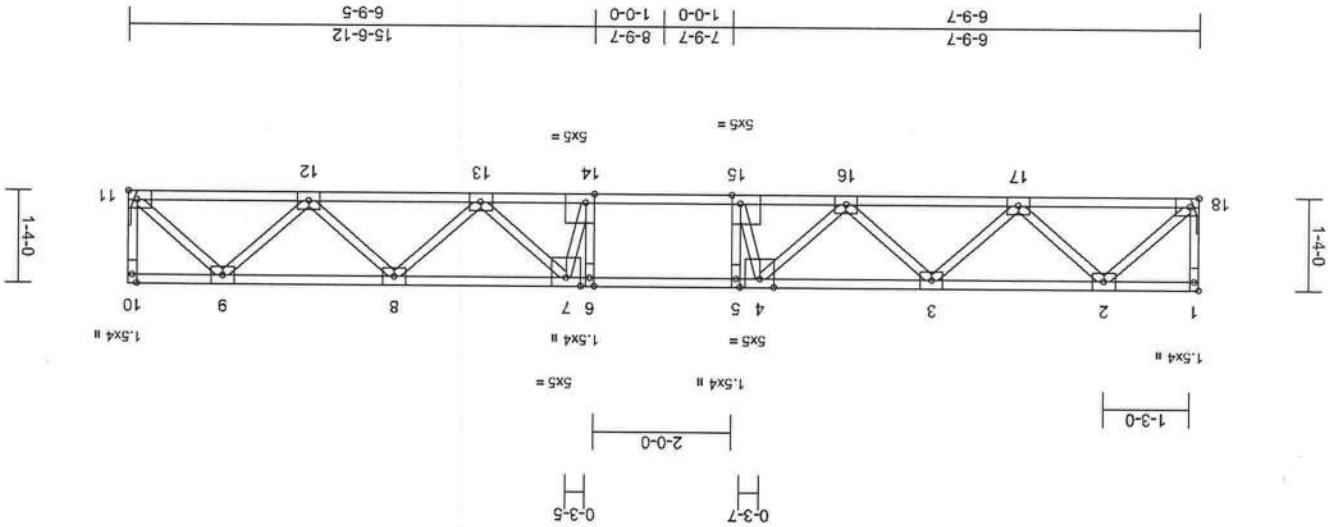


Job	1223-036	Truss	F02	Floor	Truss Type	Qty	39	1	Job Reference (optional)	T32673340
-----	----------	-------	-----	-------	------------	-----	----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:42
ID:621NBVMadvNPFkIG2h7yQ7JLu-RtC7P5B70Hq3NSgPqnlBw3uITXBGKWfCDoi7J4zJC7f

Page: 1

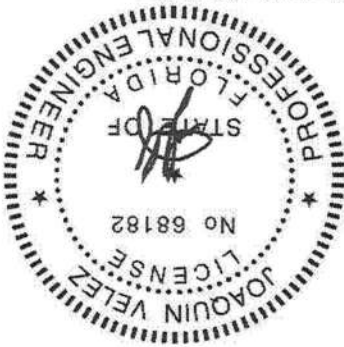


Scale = 1/31.6

Plate Offsets (X, Y): [1:Edge,0-0-12], [14:0-1-8,Edge], [15:0-1-8,Edge]

Rating	Spacing	Code	FBC2023/TP12014	Matrix-S	DEFL	in (loc)	l/defl	L/d	PLATES	Weight: 81 lb	FT = 20%F, 11%E
TCLL	40.0	Plate Gnp DOL	1.00	TC	0.37	-0.10	14-15	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.55	-0.13	14-15	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.03	11	n/a		
BCDL	5.0								n/a		

- LUMBER**
TOP CHORD 2x4 SP No.2(Flat)
BOT CHORD 2x4 SP No.2(Flat)
WEBS 2x4 SP No.2(Flat)
- BRACING**
TOP CHORD Structural wood sheathing directly applied or 6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0 oc bracing.
- REACTIONS**
(size) 11 = Mechanical, 18 = Mechanical
Max Grav 11=566 (LC 1), 18=566 (LC 1)
(b) - Maximum Compression/Maximum Tension
- FORCES**
TOP CHORD 1-18=-25/0, 10-11=-25/0, 1-2=0/0,
2-3=-985/0, 3-4=-1574/0, 4-5=-1786/0,
5-6=-1786/0, 6-7=-1786/0, 7-8=-1574/0,
8-9=-985/0, 9-10=0/0
BOT CHORD 17-18=0/579, 16-17=0/1370, 15-16=0/1765,
14-15=0/1786, 13-14=0/1765, 12-13=0/1370,
11-12=0/580
WEBS 5-15=-315/134, 6-14=-319/137, 2-18=-788/0,
2-17=0/564, 3-17=-536/0, 3-16=0/284,
4-16=-289/0, 4-15=-181/394, 9-11=-788/0,
9-12=0/564, 8-12=-536/0, 8-13=0/284,
7-13=-290/0, 7-14=-183/398
- NOTES**
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-00 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
LOAD CASE(S) Standard



Joaquin Velez PE No.68182
Mitek Inc. DBA Mitek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date: January 19, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MILL-773 rev. 1/2/2023 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/APF Quality Criteria and B8-22 available from Truss Plate Institute (www.tpiinst.org) and BCS Building Component Safety Information available from the Structural Building Component Association (www.sbcccomponents.com)

Mitek
16023 Swingley Ridge Rd,
Chesterfield, MO 63017
314.434.1200 / Mitek-US.com

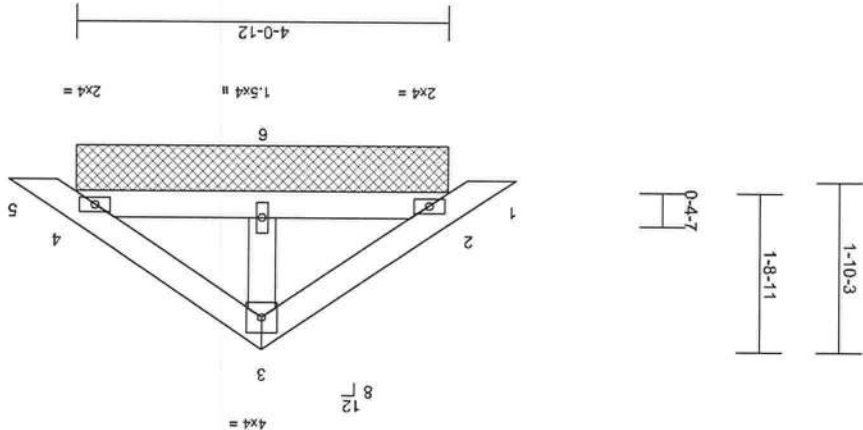
WARNING - very design parameters and RECALL NOTES ON THIS AND INCLUDED MARKER REFERENCE PAGE MUST BE REVIEWED BY THE DESIGNER BEFORE USE. Design valid for use only with MITRAC connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate the design into the overall building design. Before use, it is to prevent bracing of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability or erection and bracing with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/APRI Quality Criteria and DSR-22 available from Truss Plate Institute (www.tpi.org) and BCS Building Component Safety Information available from the Structural Building Component Association (www.sbcsc.com/components.com).

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1223-036	PB02	Piggyback	30	1	T32673342

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:42
ID:hTzdyMdpR03qtbIFUlr9y7lIM-RfC7Psb70Hq3NSgpqnlBw3uITxbGKWwCDoI7J4zJC7f

-0-8-15	2-0-6	4-0-12	4-9-11
0-8-15	2-0-6		



Loading	Spacing	Code	Matrix-AS	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	Weight: 18 lb	FT = 20%
TCLL (roof)	20.0	Plate Gap DOL	TC	0.04	n/a	-	n/a	999	MT20	244/190	
BCLL	10.0	Lumber DOL	BC	0.05	n/a	-	n/a	999	MT20		
BCDL	10.0	Rep Stress Incr	WB	0.01	Horz(CT)	0.00	4	n/a			

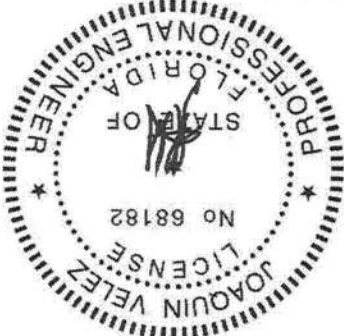
NUMBER	TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2	OTHERS
BRACING	TOP CHORD	2x4 SP No.2
RECTIONS	TOP CHORD	2x4 SP No.2
(size)	2=4-0-12, 4=4-0-12, 6=4-0-12, 7=4-0-12, 11=4-0-12	Max Horiz 2=31 (LC 11), 7=31 (LC 11) 2=20 (LC 12), 4=20 (LC 12) 7=20 (LC 12), 11=20 (LC 12)
	Max Uplift	2=118 (LC 1), 4=118 (LC 1), 6=147 (LC 1), 7=118 (LC 1), 11=118 (LC 1)
	Max Grav	1)
FORCES	(lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/16, 2-3=-53/62, 3-4=-53/57, 4-5=0/16	
BOT CHORD	2-6=-2/45, 4-6=-2/45	
WEBS	3-6=-65/22	

6)	This truss has been designed for a 10.0 psf bottom Gable studs spaced at 4'-0" oc.
7)	This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8)	* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-0"-0" tall by 2'-0"-0" wide will fit between the bottom chord and any other members.
9)	All bearings are assumed to be SP No.2.
10)	Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 2, 20 lb uplift at joint 4, 20 lb uplift at joint 2 and 20 lb uplift at joint 4.
11)	This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
12)	See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

- NOTES
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; and vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bracing.

- 6) Gable studs spaced at 4-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) All bearings are assumed to be SP No.2.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 2, 20 lb uplift at joint 4, 20 lb uplift at joint 2 and 20 lb uplift at joint 4.
- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- Standard



Joquin Velazquez PE No.68182
Mitek Inc. DBA Mitek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date: January 19, 2024



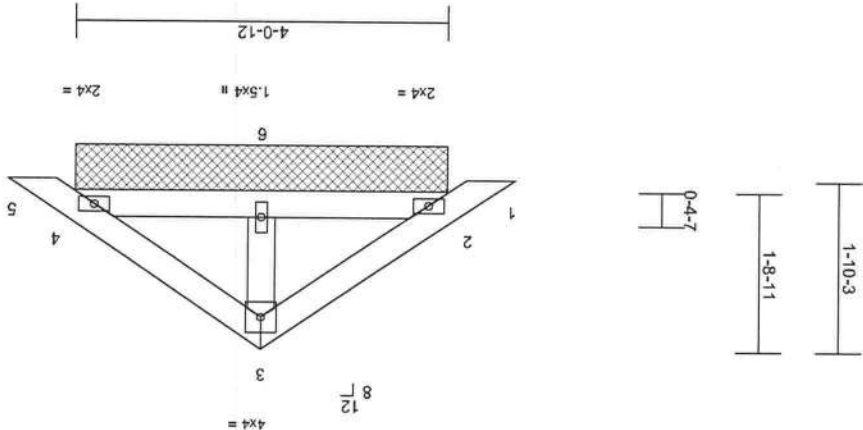
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional guidance regarding temporary and permanent bracing is always required for stability and to prevent collapse of trusses and truss systems, see ANSI/TPI Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpi.org) and BCS Building Component Safety Information available from the Structural Building Component Association (www.sbccomponents.com)

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
1223-036	PB03	Piggyback	1	1	T32673343

Mayo Truss Company, Inc., Mayo, FL - 32066.

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MITek Industries, Inc. Thu Jan 18 13:02:43
IDb:WzCioYvsiNzomz6y4WNzAWy7ljR-C7PpB70Hq3NSgPqnl8w3uITXB6KWwCDoi7J4zJC7f

0-8-15	2-0-6	4-0-12	4-9-11	0-8-15
0-8-15	2-0-6	2-0-6	4-9-11	0-8-15



Scale = 1/23.7

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/def	L/D	PLATES	GRIP	244/190	MT20	Weight 18 lb	FT = 20%
	TCLL (roof)	20.0	Plate Gnp DOL	1.25	TC	n/a	-	n/a	999						
	TCPL	10.0	Lumber DOL	1.25	BC	n/a	-	n/a	999						
	BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4						
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-AS											

- 6) Gable studs spaced at 2-0-oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) All bearings are assumed to be SP No.2.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 2, 20 lb uplift at joint 4, 20 lb uplift at joint 2 and 20 lb uplift at joint 4.
- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- LOAD CASE(S) Standard



Joaquin Velazquez, PE, No. 68182
MITek Inc. DBA MITek USA, P.O. Box 6634
16023 Swingley Ridge Rd., Chesterfield, MO 63017
Date: January 19, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITek REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MITek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI 1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpiinst.org) and BCS Building Component Safety Information available from the Structural Building Component Association (www.sbccscomponents.com).

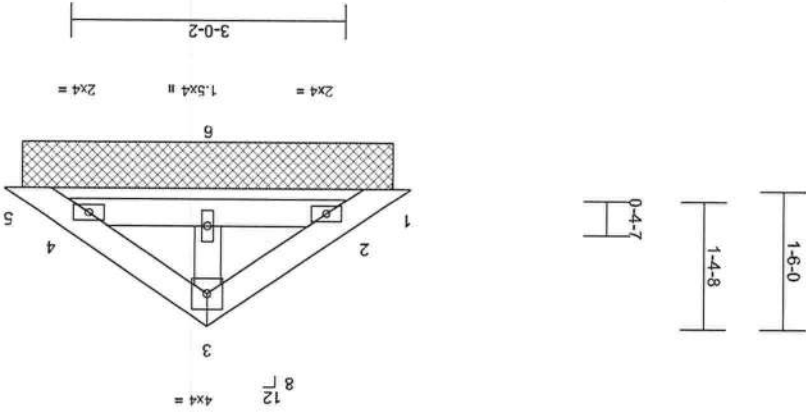
MITek
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MITek-US.com

Job	1223-036	Truss	PB04	Truss Type	Piggyback	Qty	1	Ply	1	Job Reference (optional)	T32673344
-----	----------	-------	------	------------	-----------	-----	---	-----	---	--------------------------	-----------

Mayo Truss Company, Inc., Mayo, FL - 32066,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 Mitek Industries, Inc. Thu Jan 18 13:02:43
ID:501uHtFz23OpRcM3A5cW1y7Im6-RfC7P8B70Hq3NSgPgnLBw3uITXb6KWnCDoI7J4ZJC7i

0-8-9	1-6-1	3-0-2	3-8-11
0-8-9	1-6-1	1-6-1	0-8-9



Loading	Spacing	Code	Matrix-AS	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP	Weight: 14 lb	FT = 20%
TCLL (roof)	20.0	Plate Gap DOL	TC	0.03	Ver(TL)	n/a	999	n/a	MT20	244/190		
BCLL	0.0*	Rep Stress Incr	WB	0.01	Honz(TL)	0.00	4	n/a				
BCDL	10.0	Lumber DOL	BC	0.03	Ver(TL)	n/a	999	n/a				
TOP CHORD	2x4 SP No.2											
BOT CHORD	2x4 SP No.2											
OTHERS	2x4 SP No.2											

- LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2
- BRACING**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
- REACTIONS**
(size)
1=4-0-12, 2=4-0-12, 4=4-0-12, 7=4-0-12, 10=4-0-12
Max Horiz 1=24 (LC 10), 4=6 (LC 12), 5=5 (LC 24), 10=6 (LC 12)
Max Uplift 1=14 (LC 11), 2=127 (LC 17), 4=13 (LC 24), 5=2 (LC 12), 6=103 (LC 1), 7=127 (LC 17), 10=113 (LC 24)
- FORCES**
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=27/44, 2-3=-31/43, 3-4=-33/41, 4-5=4/25, 5-6=-8/37, 6-7=-8/37
WB 3-6=-47/13
- NOTES**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDF=6.0psf; BCDL=6.0psf; n=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 9) All bearings are assumed to be SP No.2.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 4.
- 11) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
- LOAD CASE(S)** Standard



Joaquin Velazquez PE, No. 68182
Mitek Inc. DBA Mitek USA FL Cert 6634
16023 Swingley Ridge Rd, Chesterfield, MO 63017
Date:

January 19, 2024

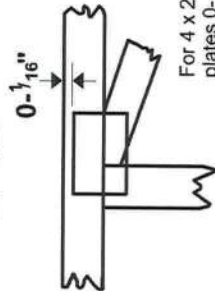
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpi.org) and **BCS Building Component Safety Information** available from the Structural Building Component Association (www.sbcsc.com).

Mitek
16023 Swingley Ridge Rd,
Chesterfield, MO 63017
314.434.1200 / Mitek-US.com

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 X 4

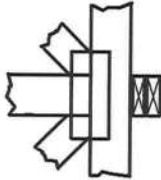
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

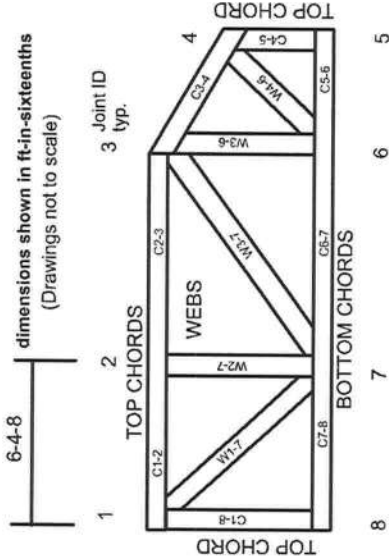
BEARING



Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
- DSB-22: Design Standard for Bracing.
- BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

© 2023 MiTek® All Rights Reserved

MiTek®

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor 1 bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and ware at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
www.miamidade.gov/building

PCT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series "PW-5420 Vinyl" PVC Fixed Window - N.I.

APPROVAL DOCUMENT: Drawing No. MD-5420.0 titled "Vinyl Fixed Window NOA (NI)", sheets 1 through 9 of 9, dated 09/09/14, with revision C dated 03/16/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

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

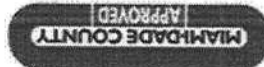
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA No. 19-1126.09 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.



5.2.
08/06/2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A.

DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 14-0930.24)
- 2. Drawing No. MD-5420.0 titled "Vinyl Fixed Window NOA (NI)", sheets 1 through 9 of 9, dated 09/09/14, with revision B dated 06/06/17, prepared by manufacturer, signed, sealed and dated 6/9/17, by Anthony Lynn Miller, P.E. (Submitted under NOA No. 17-0614.08)

B.

TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 2) Large Missile Impact Test per FBC, TAS 201-94 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispacer 4SG TPS spacer system, Durasal[®] spacer system, Super Spacer[®] NXT[™] spacer system and XL Edge[™] spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-8717, FTL-8968 and FTL-8970, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E. (Submitted under NOA No. 16-0629.11)
- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 3) Water Resistance Test, per FBC, TAS 202-94 4) Large Missile Impact Test per FBC, TAS 201-94 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94 6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94 along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7897, dated 08/01/14, signed and sealed by Idalmis Ortega, P.E. (Submitted under NOA No. 14-0930.24)

C.

CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 09/18/14 and 04/07/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (Submitted under NOA No. 14-0930.24)
- 2. Glazing complies with ASTM E1300-09

D.

QUALITY ASSURANCE

- 1. Miami-Dade Department of Regulatory and Economic Resources (RER).



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 16-0712.03 issued to ENERGI Fenestration Solutions USA for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 08/10/17, expiring on 02/28/18.
 2. Notice of Acceptance No. 16-0712.04 issued to ENERGI Fenestration Solutions USA, Inc. for their "Bronze and Lighter Shades of Cap Coated White Rigid PVC Exterior Extrusions for Windows and Doors" dated 09/15/16, expiring on 04/16/20.
 3. Notice of Acceptance No. 16-0712.05 issued to ENERGI Fenestration Solutions USA, Inc. for their "Performance Core Rigid PVC Exterior Extrusions for Windows and Doors" dated 09/15/16, expiring on 04/16/20.

- F. STATEMENTS
1. Statement letter of conformance, complying with FBC 5th Edition (2014) and FBC 6th Edition (2017), dated August 29, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. *(Submitted under NOA No. 17-0614.08)*
 2. Statement letter of no financial interest, dated June 9, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. *(Submitted under NOA No. 17-0614.08)*
 3. Proposal issued by Product Control, dated 6/26/14, signed by Jaime Gascon, P.E. *(Submitted under NOA No. 14-0930.24)*
 4. Proposal No. 16-0125 issued by the Product Control Section, dated March 09, 2016, signed by Ishag Chanda, P.E. *(Submitted under NOA No. 16-0629.11)*

- G. OTHERS
1. NOA No. 16-0629.11, issued to PGT Industries, Inc. for their Series "PW-5420 Vinyl" PVC Fixed Window – N.I. approved on 08/04/16 and expiring on 04/30/20.

2. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
1. Drawing No. MD-5420.0 titled "Vinyl Fixed Window NOA (NI)", sheets 1 through 9 of 9, dated 09/09/14, with revision C dated 03/16/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

- B. TESTS
- Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per ASTM F588 and TAS 202-94
- along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify Dowsil 791 and Dowsil 983
- Sifang Zhao, P.E. Product Control Examiner
NOA No. 20-0401.15
Expiration Date: April 30, 2025
Approval Date: August 06, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- B. TESTS (CONTINUED)**
- FTL-7897, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswinging Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)
dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
- C. CALCULATIONS**
1. Anchor verification calculations and structural analysis, complying with FBC-6th Edition (2017) and FBC-7th (2020) dated 03/13/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- D. QUALITY ASSURANCE**
1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS**
1. NOA No. 18-0122.02 issued to ENERGI Fenestration Solutions USA, for their "White Rigid PVC Exterior Extrusions for Windows and Doors" dated 03/08/18, expiring on 02/28/23.
2. NOA No. 20-0203.03 issued to ENERGI Fenestration Solutions USA, Inc. for their "Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors" dated 02/27/20, expiring on 04/16/25.
3. NOA No. 20-0203.04 issued to ENERGI Fenestration Solutions USA, Inc. for their "Performance Core Rigid PVC Exterior Extrusions for Windows and Doors" dated 02/27/20, expiring on 04/16/25.
- F. STATEMENTS**
1. Statement letter of conformance, complying with FBC-6th Edition (2017) and FBC-7th Edition (2020), dated 03/16/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 03/16/20, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. 19-1155 TP issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
- G. OTHERS**
1. NOA No. 19-1126.09, issued to PGT Industries, Inc. for their Series "PW-5420 Vinyl" PVC Fixed Window – N.I., approved on 01/09/20 and expiring on 04/30/25.



GENERAL NOTES: SERIES 5420
NON-IMPACT RESISTANT VINYL FIXED WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.
- 4) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. 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. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 7) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
 - C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN ASD.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-103% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.
- 10) REFERENCES: TEST REPORTS FTL-7897; ELCO, UL TRACON NOA, DEWALT UL TRACON+ NOA, ELCO DEWALT CHETEX NOA, ELCO DEWALT AGGREGATOR NOA, ENERGY WINDOW AND DOOR PROFILES, LTD WHITE & BROWN LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOAS; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/APA NDS & ALUMINUM DESIGN MANUAL.

GENERAL NOTES:

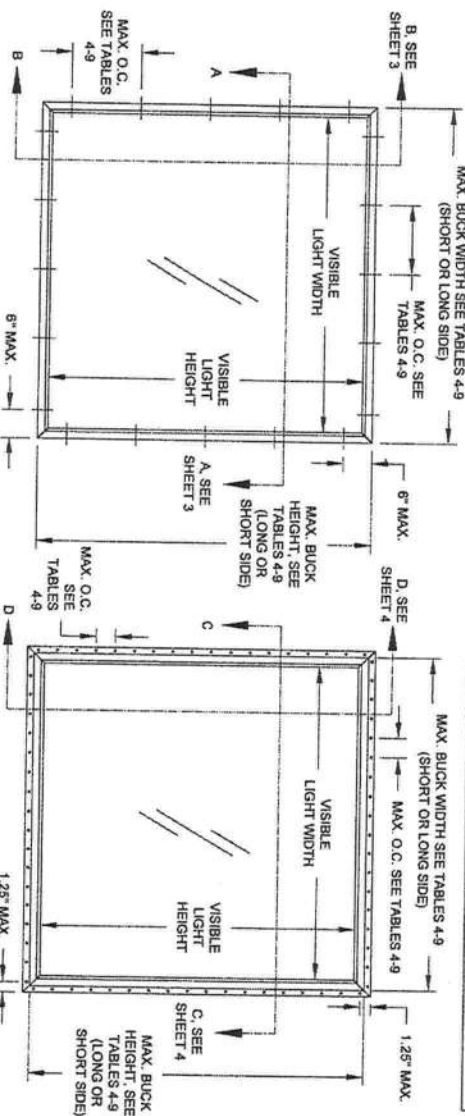
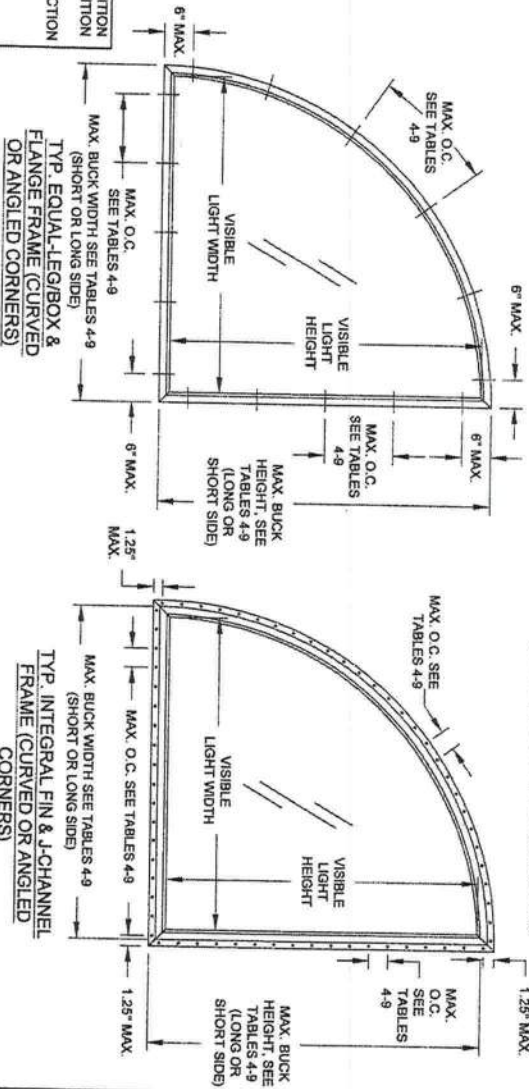
1	ELEVATIONS
1	FRAME, GLASS & ANCHOR
2	OPTIONS
2	INSTALLATION, FLANGE &
3	EQUAL, LEG
3	INSTALLATION, INTEGRAL FIN &
4	J-CHANNEL
4	GLAZING DETAILS
5	DESIGN PRESSURES
5-8	BOM & ASSEMBLY
9	

CODES / STANDARDS USED:

• 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
• 2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION
• ASTM E1300-09
• ANSI/APA NDS-2018 FOR WOOD CONSTRUCTION
• ALUMINUM DESIGN MANUAL, ADM-2015
• AISI S100-18
• AISI 300-16

VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 4-3/16"
HEIGHT: BUCK HEIGHT - 4-3/16"



IMPACT RATING	DESIGN PRESSURE RATING
NOT RATED FOR IMPACT RESISTANCE	VARIES PER GLASS TYPE, SEE TABLES 4-9, SHEETS 6-8

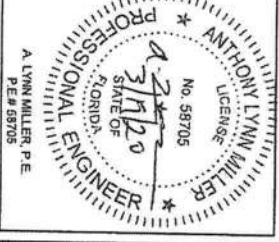
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0401.15
Expiration Date 04/30/2025
By: [Signature]
Miami-Dade Product Control

Revision:
TABLE
REVISED ANCHOR TYPE
AK - 03/18/20

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600



VINYL FIXED WINDOW NOA (NI)	9/9/14
GENERAL NOTES & ELEVATION	J ROSOWSKI
PW-5420 NTS	MD-5420.0
1 OF 9	

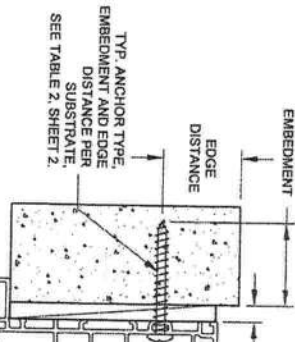
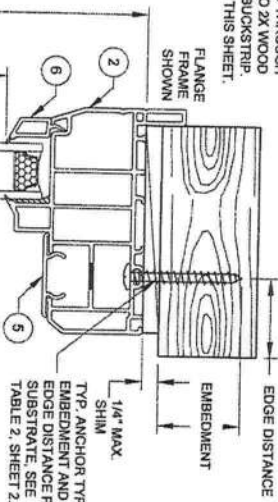


INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

INSTALLATION

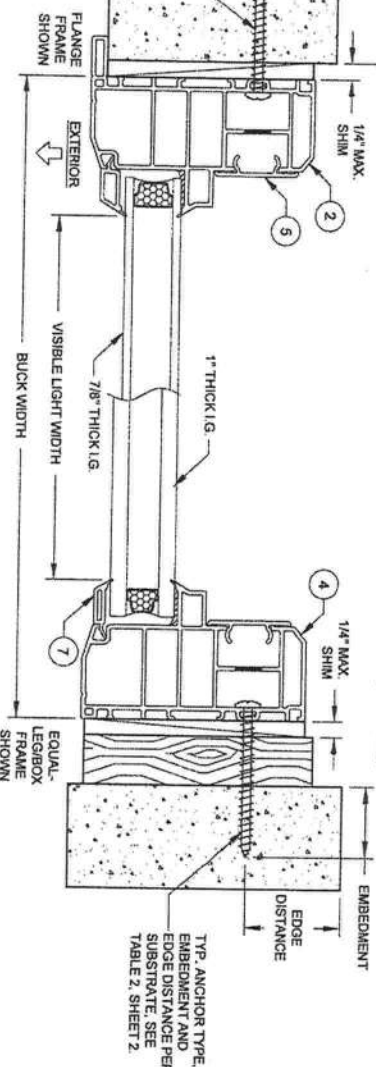
OPTION 1

ANCHORED THROUGH FRAME INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.



INSTALLATION OPTION 2
ANCHORED THROUGH FRAME DIRECTLY INTO CONCRETE/CMU.

INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X BUCKSTRIP INTO CONCRETE/CMU. SEE NOTE 2, THIS SHEET.



HORIZONTAL SECTION A-A

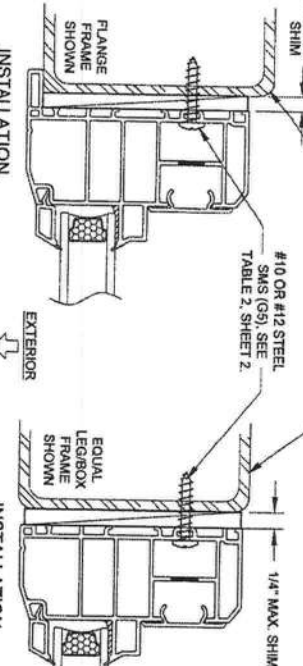
NOTES:
1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2\"/>

DADA APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 2, SHEET 2.

#10 OR #12 STEEL SMS (G9), SEE TABLE 2, SHEET 2.

1/4\"/>

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.



INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL.

ANCHORED THROUGH FRAME INTO METAL.

EXTERIOR

BUCK HEIGHT
VISIBLE LIGHT HEIGHT

7/8\"/>

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE, SEE TABLE 2, SHEET 2.

EQUAL-LEG/BOX FRAME SHOWN

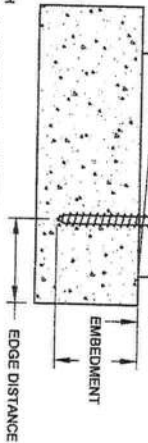
1/4\"/>

INSTALLATION

OPTION 2

ANCHORED THROUGH FRAME DIRECTLY INTO CONCRETE/CMU.

VERTICAL SECTION B-B



VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 4-3/16\"/>

PGT		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600	
REGISTRATION #28286		Date: 9/8/14	
Series	Desc.	Title	
PW-5420	Scale	NTS	3 OF 9
	Sheet	DWG No.	MD-5420.0
		Rev.	C



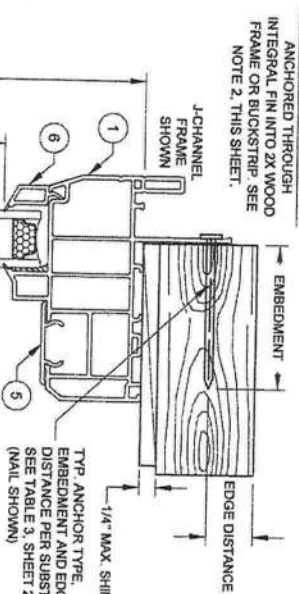
PRODUCT REVISED
According with the Florida Building Code
NOA-No. 20-0401.15
Expiration Date 04/30/2025
By Miami Dade Product Control
C) NO CHANGES THIS SHEET.
AK - 03/16/20

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

INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

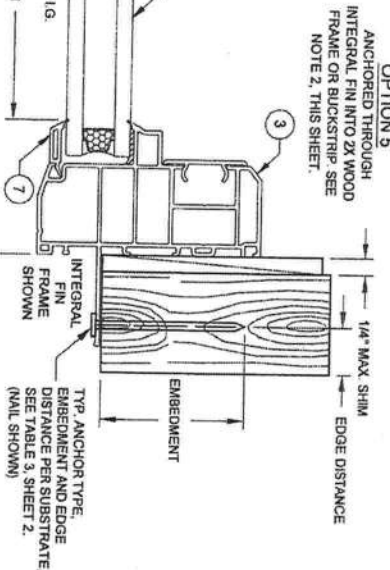
INSTALLATION OPTION 5

ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.

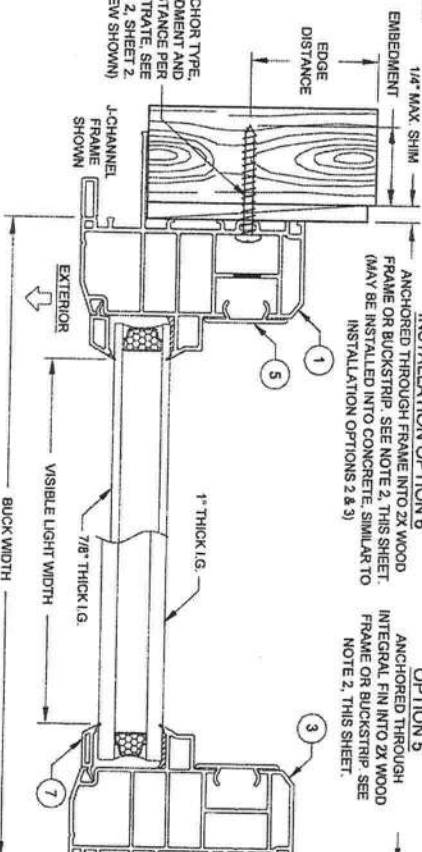


INSTALLATION OPTION 5

ANCHORED THROUGH INTEGRAL FIN INTO 2X WOOD FRAME OR BUCKSTRIP. SEE NOTE 2, THIS SHEET.



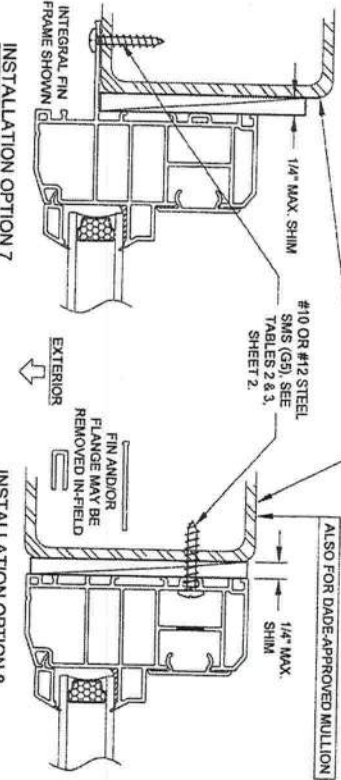
HORIZONTAL SECTION C-C



FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.

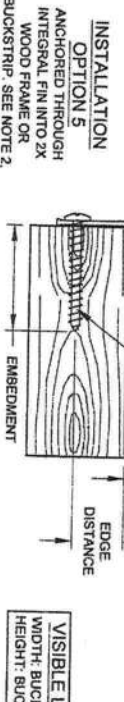
#10 OR #12 STEEL SMS (G5), SEE TABLES 2 & 3, SHEET 2. ALSO FOR DADE-APPROVED MULLION

- NOTES:
- 1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2\"/>
 - 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.



INSTALLATION OPTION 7
INSTALLATION THROUGH THE INTEGRAL FIN, INTO METAL. SEE TABLE 3, SHEET 2.

INSTALLATION OPTION 8
INSTALLATION THROUGH THE FRAME, INTO METAL. SEE TABLE 2, SHEET 2.



VERTICAL SECTION D-D

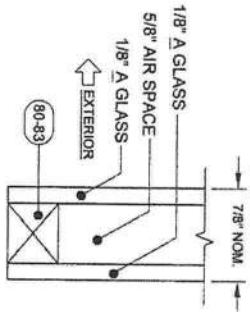
VISIBLE LIGHT FORMULAS
WIDTH BUCK WIDTH - 4-3/16\"/>

Series	Desc.	Title
PW-5420	Scale	NTS
Sheet	4 OF 9	DWG No.
MD-5420.0	Rev.	C
J-CHANNEL & INTEGRAL FIN FRAMES		
By J ROSOWSKI		
Date 9/9/14		
REGISTRATION #29296		
VINYL FIXED WINDOW NOA (NI)		
1070 TECHNOLOGY DRIVE		
N. VENICE, FL 34275		
(941)-480-1600		

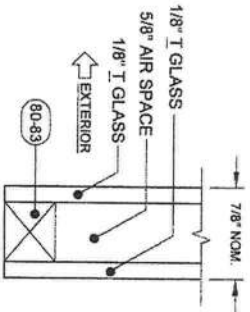


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0401.15
Expiration Date 04/30/2025
By
Miami-Dade Product Control
C) DADE MULLION NOTE,
INSTALL. OPTION 6 NOTE,
AK - 03/16/20

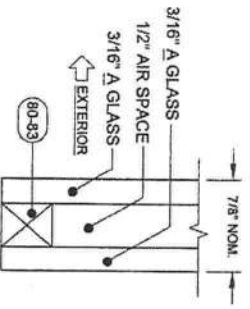
A LYNN MILLER, P.E.
P.E.# 38705



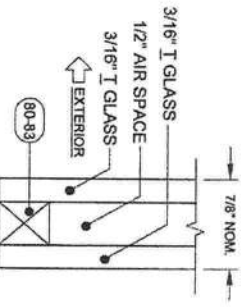
GLASS TYPE 1



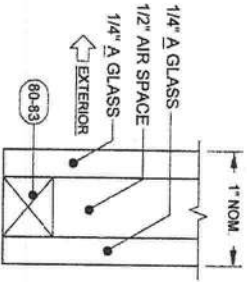
GLASS TYPE 2



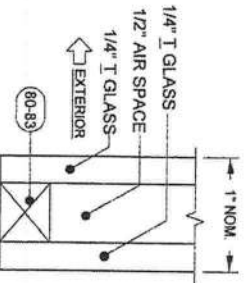
GLASS TYPE 3



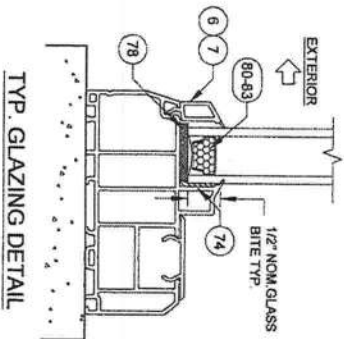
GLASS TYPE 4



GLASS TYPE 5

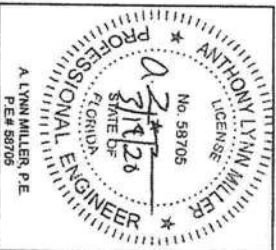


GLASS TYPE 6



TYP. GLAZING DETAIL

GLAZING NOTES:
A = ANNEALED
T = TEMPERED



VINYL FIXED WINDOW NOA (NI)		9/9/14	
GLAZING DETAILS		J ROSOWSKI	
PW-5420	NTS	5 OF 9	MD-5420.0

Revision:
C) NO CHANGES THIS SHEET.
AK - 03/18/20

PRODUCT REVISED
as complying with the Florida
Building Code
NOA No. 20-0401.15
Expiration Date 04/30/2025
By es
Miami Dade Product Control

TABLE 4: Window Design Pressure, (+/- psf) 1/8" A Cap - Airspace - 1/8" A															Use this table for Glass Type: 1
Window Dimensions		Long Side (in)													Short Side (in)
		51.05	54	56	58	62	64	66	68	72	76	80	84	87	
18	+80/-93.7	+80/-92.6	+80/-91.9	+80/-91.3	+80/-90.3	+80/-89.8	+80/-88.9	+80/-88.2	+80/-87.5	+80/-86.9	+80/-86.4	+80/-86.1	+80/-85.8	+80/-85.4	18
20	+80/-89.4	+80/-88.2	+80/-87.5	+80/-86.5	+80/-86.0	+80/-85.4	+80/-84.7	+80/-84.1	+80/-83.5	+80/-82.9	+80/-82.4	+80/-81.9	+80/-81.4	+80/-81.0	20
22	+80/-85.2	+80/-84.5	+80/-83.5	+80/-82.5	+80/-81.5	+80/-80.5	+80/-79.5	+80/-78.5	+80/-77.5	+80/-76.5	+80/-75.5	+80/-74.5	+80/-73.5	+80/-72.5	22
24	+80/-81.0	+80/-80.3	+80/-79.3	+80/-78.3	+80/-77.3	+80/-76.3	+80/-75.3	+80/-74.3	+80/-73.3	+80/-72.3	+80/-71.3	+80/-70.3	+80/-69.3	+80/-68.3	24
26	+80/-76.8	+80/-76.1	+80/-75.1	+80/-74.1	+80/-73.1	+80/-72.1	+80/-71.1	+80/-70.1	+80/-69.1	+80/-68.1	+80/-67.1	+80/-66.1	+80/-65.1	+80/-64.1	26
28	+80/-72.6	+80/-71.9	+80/-70.9	+80/-69.9	+80/-68.9	+80/-67.9	+80/-66.9	+80/-65.9	+80/-64.9	+80/-63.9	+80/-62.9	+80/-61.9	+80/-60.9	+80/-59.9	28
30	+80/-68.4	+80/-67.7	+80/-66.7	+80/-65.7	+80/-64.7	+80/-63.7	+80/-62.7	+80/-61.7	+80/-60.7	+80/-59.7	+80/-58.7	+80/-57.7	+80/-56.7	+80/-55.7	30
32	+80/-64.2	+80/-63.5	+80/-62.5	+80/-61.5	+80/-60.5	+80/-59.5	+80/-58.5	+80/-57.5	+80/-56.5	+80/-55.5	+80/-54.5	+80/-53.5	+80/-52.5	+80/-51.5	32
34	+80/-60.0	+80/-59.3	+80/-58.3	+80/-57.3	+80/-56.3	+80/-55.3	+80/-54.3	+80/-53.3	+80/-52.3	+80/-51.3	+80/-50.3	+80/-49.3	+80/-48.3	+80/-47.3	34
36	+80/-55.8	+80/-55.1	+80/-54.1	+80/-53.1	+80/-52.1	+80/-51.1	+80/-50.1	+80/-49.1	+80/-48.1	+80/-47.1	+80/-46.1	+80/-45.1	+80/-44.1	+80/-43.1	36
38	+80/-51.6	+80/-50.9	+80/-49.9	+80/-48.9	+80/-47.9	+80/-46.9	+80/-45.9	+80/-44.9	+80/-43.9	+80/-42.9	+80/-41.9	+80/-40.9	+80/-39.9	+80/-38.9	38
40	+80/-47.4	+80/-46.7	+80/-45.7	+80/-44.7	+80/-43.7	+80/-42.7	+80/-41.7	+80/-40.7	+80/-39.7	+80/-38.7	+80/-37.7	+80/-36.7	+80/-35.7	+80/-34.7	40
42	+80/-43.2	+80/-42.5	+80/-41.5	+80/-40.5	+80/-39.5	+80/-38.5	+80/-37.5	+80/-36.5	+80/-35.5	+80/-34.5	+80/-33.5	+80/-32.5	+80/-31.5	+80/-30.5	42
44	+80/-39.0	+80/-38.3	+80/-37.3	+80/-36.3	+80/-35.3	+80/-34.3	+80/-33.3	+80/-32.3	+80/-31.3	+80/-30.3	+80/-29.3	+80/-28.3	+80/-27.3	+80/-26.3	44
46	+80/-34.8	+80/-34.1	+80/-33.1	+80/-32.1	+80/-31.1	+80/-30.1	+80/-29.1	+80/-28.1	+80/-27.1	+80/-26.1	+80/-25.1	+80/-24.1	+80/-23.1	+80/-22.1	46
48	+80/-30.6	+80/-29.9	+80/-28.9	+80/-27.9	+80/-26.9	+80/-25.9	+80/-24.9	+80/-23.9	+80/-22.9	+80/-21.9	+80/-20.9	+80/-19.9	+80/-18.9	+80/-17.9	48
51.05	+80/-26.4	+80/-25.7	+80/-24.7	+80/-23.7	+80/-22.7	+80/-21.7	+80/-20.7	+80/-19.7	+80/-18.7	+80/-17.7	+80/-16.7	+80/-15.7	+80/-14.7	+80/-13.7	51.05

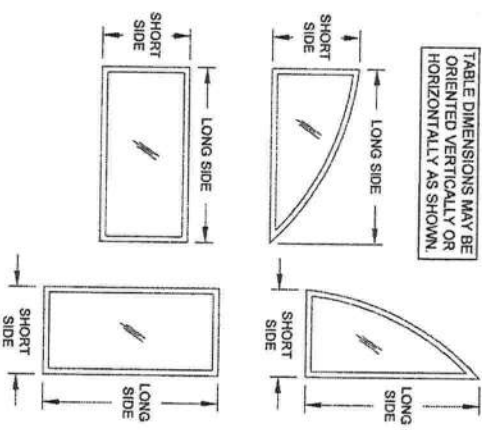


TABLE 5: Window Design Pressure, (+/- psf) 1/8" T Cap - Airspace - 1/8" T															Use this table for Glass Type: 2
Window Dimensions		Long Side (in)													Short Side (in)
		60.926	64	66	68	70	74	77	80	84	87	92	97	99	
32	+80/-93.2	+80/-92.6	+80/-91.8	+80/-91.0	+80/-90.2	+80/-89.4	+80/-88.5	+80/-87.5	+80/-86.5	+80/-85.5	+80/-84.7	+80/-83.6	+80/-82.3	+80/-80.9	32
34	+80/-89.0	+80/-88.2	+80/-87.3	+80/-86.3	+80/-85.3	+80/-84.3	+80/-83.3	+80/-82.3	+80/-81.3	+80/-80.3	+80/-79.3	+80/-78.3	+80/-77.3	+80/-76.3	34
36	+80/-84.8	+80/-84.0	+80/-83.0	+80/-82.0	+80/-81.0	+80/-80.0	+80/-79.0	+80/-78.0	+80/-77.0	+80/-76.0	+80/-75.0	+80/-74.0	+80/-73.0	+80/-72.0	36
38	+80/-80.6	+80/-79.8	+80/-78.8	+80/-77.8	+80/-76.8	+80/-75.8	+80/-74.8	+80/-73.8	+80/-72.8	+80/-71.8	+80/-70.8	+80/-69.8	+80/-68.8	+80/-67.8	38
40	+80/-76.4	+80/-75.6	+80/-74.6	+80/-73.6	+80/-72.6	+80/-71.6	+80/-70.6	+80/-69.6	+80/-68.6	+80/-67.6	+80/-66.6	+80/-65.6	+80/-64.6	+80/-63.6	40
42	+80/-72.2	+80/-71.4	+80/-70.4	+80/-69.4	+80/-68.4	+80/-67.4	+80/-66.4	+80/-65.4	+80/-64.4	+80/-63.4	+80/-62.4	+80/-61.4	+80/-60.4	+80/-59.4	42
44	+80/-68.0	+80/-67.2	+80/-66.2	+80/-65.2	+80/-64.2	+80/-63.2	+80/-62.2	+80/-61.2	+80/-60.2	+80/-59.2	+80/-58.2	+80/-57.2	+80/-56.2	+80/-55.2	44
46	+80/-63.8	+80/-63.0	+80/-62.0	+80/-61.0	+80/-60.0	+80/-59.0	+80/-58.0	+80/-57.0	+80/-56.0	+80/-55.0	+80/-54.0	+80/-53.0	+80/-52.0	+80/-51.0	46
48	+80/-59.6	+80/-58.8	+80/-57.8	+80/-56.8	+80/-55.8	+80/-54.8	+80/-53.8	+80/-52.8	+80/-51.8	+80/-50.8	+80/-49.8	+80/-48.8	+80/-47.8	+80/-46.8	48
50	+80/-55.4	+80/-54.6	+80/-53.6	+80/-52.6	+80/-51.6	+80/-50.6	+80/-49.6	+80/-48.6	+80/-47.6	+80/-46.6	+80/-45.6	+80/-44.6	+80/-43.6	+80/-42.6	50
52	+80/-51.2	+80/-50.4	+80/-49.4	+80/-48.4	+80/-47.4	+80/-46.4	+80/-45.4	+80/-44.4	+80/-43.4	+80/-42.4	+80/-41.4	+80/-40.4	+80/-39.4	+80/-38.4	52
54	+80/-47.0	+80/-46.2	+80/-45.2	+80/-44.2	+80/-43.2	+80/-42.2	+80/-41.2	+80/-40.2	+80/-39.2	+80/-38.2	+80/-37.2	+80/-36.2	+80/-35.2	+80/-34.2	54
56	+80/-42.8	+80/-42.0	+80/-41.0	+80/-40.0	+80/-39.0	+80/-38.0	+80/-37.0	+80/-36.0	+80/-35.0	+80/-34.0	+80/-33.0	+80/-32.0	+80/-31.0	+80/-30.0	56
58	+80/-38.6	+80/-37.8	+80/-36.8	+80/-35.8	+80/-34.8	+80/-33.8	+80/-32.8	+80/-31.8	+80/-30.8	+80/-29.8	+80/-28.8	+80/-27.8	+80/-26.8	+80/-25.8	58
60.926	+80/-34.4	+80/-33.6	+80/-32.6	+80/-31.6	+80/-30.6	+80/-29.6	+80/-28.6	+80/-27.6	+80/-26.6	+80/-25.6	+80/-24.6	+80/-23.6	+80/-22.6	+80/-21.6	60.926

NOTES:
1) BUCK DIMENSIONS SHOWN.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLES ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

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

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

Revision: C) NO CHANGES THIS SHEET.
AK - 03/16/20

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0401.15
Expiration Date 04/30/2025
By Miami-Dade Product Control

VINYL FIXED WINDOW NOA (NI) 9/9/14

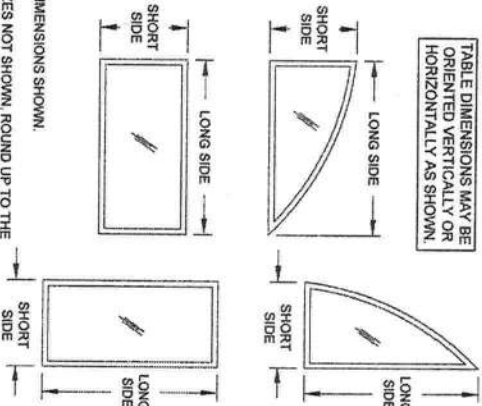
DESIGN PRESSURE TABLES A J ROSOWSKI

PW-5420 NTS 6 OF 9 MD-5420.0

TABLE 6:

Window Design Pressure, (+/- psf)														Use this table for Glass Type		3					
3/16" A Cap - Airspace - 3/16" A																					
Window Dimensions	Long Side (in)																				
	69.65	71	73	75	78	80	85	85	86	89	92	96	99								
32	+/-76.9	+/-76.4	+/-74.3	+/-72.5	+/-70.6	+/-68.3	+/-66.2	+/-65.7	+/-64.1	+/-62.6	+/-60.8	+/-59.8									
34	+/-73.7	+/-73.3	+/-71.3	+/-69.7	+/-66.8	+/-65	+/-61	+/-60.3	+/-58.1	+/-56.3	+/-54.7	+/-53.8									
36	+/-71	+/-70.5	+/-68.8	+/-67.9	+/-64.4	+/-62.5	+/-57.2	+/-56.3	+/-54.7	+/-52.9	+/-50.9	+/-49.7									
38	+/-68.6	+/-68.1	+/-67.4	+/-66.8	+/-63.5	+/-61	+/-55.6	+/-54.9	+/-52.7	+/-50.6	+/-48.2	+/-46.4									
40	+/-66.4	+/-65.9	+/-65.2	+/-64.6	+/-63.2	+/-60.7	+/-55.1	+/-54.2	+/-52	+/-49.7	+/-46.3	+/-44.5									
42	+/-64.6	+/-64	+/-63.3	+/-62.6	+/-61.7	+/-60.5	+/-55.1	+/-54.2	+/-51.7	+/-48.1	+/-46.1	+/-44.5									
44	+/-62.9	+/-62.4	+/-61.6	+/-60.9	+/-60	+/-58.4	+/-55.1	+/-54.2	+/-51.8	+/-48.1	+/-46.1	+/-44.5									
46	+/-61.5	+/-60.9	+/-60.1	+/-59.4	+/-58.4	+/-57.8	+/-55.1	+/-54.2	+/-51.8	+/-48.5	+/-46.3	+/-44.5									
48	+/-60.2	+/-59.6	+/-58.8	+/-57.8	+/-57	+/-56.4	+/-55.1	+/-54.2	+/-51.8	+/-48.5	+/-46.4	+/-44.6									
50	+/-59.1	+/-58.5	+/-57.6	+/-56.6	+/-55.8	+/-55.1	+/-53.7	+/-53.4	+/-51.8	+/-49.5	+/-46.5										
52	+/-58.1	+/-57.5	+/-56.6	+/-55.8	+/-54.6	+/-54	+/-52.5	+/-52.2	+/-51.5	+/-49.3											
54	+/-57.3	+/-56.6	+/-55.7	+/-54.8	+/-53.7	+/-53	+/-51.4	+/-51.1	+/-50.4												
56	+/-56.6	+/-55.9	+/-54.9	+/-54	+/-52.8	+/-52	+/-50.4	+/-50.2													
57	+/-56.3	+/-55.5		+/-54.5	+/-53.6	+/-52.4	+/-51.6														
60	+/-55.5	+/-54.7	+/-53.6	+/-52.6	+/-51.3	+/-50.5															
62	+/-55.1	+/-54.2	+/-53.1	+/-52.1	+/-50.7																
64	+/-54.8	+/-53.9	+/-52.7	+/-51.6																	
66	+/-54.5	+/-53.6	+/-52.4																		
68	+/-53.6	+/-53.1																			
69.65	+/-52.6																				
<table><tr><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)</td><td>MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO E OR F ANCHORS (SEE TABLE 3)</td></tr><tr><td>15"</td><td>3" FOR E ANCHORS, 6" FOR F ANCHORS</td></tr></table>																MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO E OR F ANCHORS (SEE TABLE 3)	15"	3" FOR E ANCHORS, 6" FOR F ANCHORS		
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)	MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO E OR F ANCHORS (SEE TABLE 3)																				
15"	3" FOR E ANCHORS, 6" FOR F ANCHORS																				

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



NOTES:
1) BUCK DIMENSIONS SHOWN.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

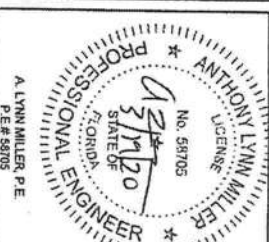
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

TABLE 7:

Window Design Pressure, (+/- psf)																				Use this table for Glass Type		4	
3/16" T Cap - Airspace - 3/16" T																							
Window Dimensions		Long Side (in)																					
		81.52	83	85	87	89	92	94	97	99	103	107	110	113	118	122	126	132	138	144			
46	+80/-94	+80/-93.3	+80/-92.5	+80/-91.7	+80/-91	+80/-89.9	+80/-89.3	+80/-88.4	+80/-87.9	+80/-86.8	+80/-85.9	+80/-85.3	+80/-84.7	+80/-83.8	+80/-83.1	+80/-82.5	+80/-81.7	+80/-80.9	+80/-80.3				
48	+80/-91.6	+80/-90.9	+80/-90.1	+80/-89.3	+80/-88.5	+80/-87.5	+80/-86.8	+80/-85.9	+80/-85.3	+80/-84.3	+80/-83.3	+80/-82.7	+80/-82.1	+80/-81.2	+80/-80.5	+/-79.9	+/-78.3						
50	+80/-89.5	+80/-88.8	+80/-87.9	+80/-87.1	+80/-86.3	+80/-85.2	+80/-84.5	+80/-83.6	+80/-83	+80/-82	+80/-81	+80/-80.3	+/-79.7	+/-78.1	+/-76.5	+/-75.2							
52	+80/-87.6	+80/-86.9	+80/-86	+80/-85.1	+80/-84.3	+80/-83.2	+80/-82.5	+80/-81.6	+80/-80.9	+/-79.6	+/-78.8	+/-78.1	+/-77.5	+/-76.5	+/-75.8								
54	+80/-86.9	+80/-86.2	+80/-84.2	+80/-83.3	+80/-82.5	+80/-81.3	+80/-80.6	+/-79.6	+/-78.9	+/-77.9	+/-77.3	+/-76.9	+/-76.2	+/-75.5	+/-74.5	+/-73.8							
56	+80/-84.4	+80/-83.6	+80/-82.6	+80/-81.7	+80/-80.8	+/-79.7	+/-78.9	+/-77.9	+/-77.3	+/-76.3	+/-75.7	+/-74.5	+/-73.4	+/-72.7	+/-72								
58	+80/-83	+80/-82.2	+80/-81.2	+80/-80.2	+/-79.4	+/-78.1	+/-77.4	+/-76.1	+/-75.3	+/-74.2	+/-73	+/-71.9	+/-71.1										
60	+80/-81.8	+80/-81	+/-79.9	+/-78.9	+/-78	+/-76.7	+/-75.5	+/-74.9	+/-74.3	+/-73.6	+/-72.9	+/-71.6	+/-70.5										
62	+80/-80.8	+/-79.9	+/-78.8	+/-77.8	+/-76.8	+/-75.5	+/-74.7	+/-73.6	+/-72.9	+/-71.6	+/-70.3												
64	+/-79.8	+/-78.9	+/-77.8	+/-76.7	+/-75.7	+/-74.3	+/-73.5	+/-72.4	+/-71.6	+/-70.3													
67	+/-78.6	+/-77.7	+/-76.4	+/-75.3	+/-74.3	+/-73.8	+/-72.8	+/-72.4	+/-71.6														
68	+/-78.3	+/-77.3	+/-76.1	+/-74.9	+/-73.8	+/-72.8	+/-72.4	+/-71.5	+/-70.3														
70	+/-77.7	+/-76.7	+/-75.4	+/-74.2	+/-73.1	+/-71.5	+/-70.6																
72	+/-77.2	+/-76.1	+/-74.8	+/-73.5	+/-72.4	+/-71.5																	
74	+/-76.8	+/-75.7	+/-74.3	+/-73	+/-71.8																		
76	+/-76.5	+/-75.3	+/-73.8	+/-72.5																			
78	+/-76.3	+/-75	+/-73.8																				
80	+/-76.2	+/-74.9																					
81.52	+/-75.1																						
																				MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEET 3 & 4		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	
																				APPLIES TO B, C AND D ANCHORS		APPLIES TO F ANCHORS	
																				(SEE TABLE 2)		(SEE TABLE 3)	
																				15'-5"		3'-3"	

MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)

MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO F ANCHORS (SEE TABLE 3)



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

VINYL FIXED WINDOW NOA (NI)

DESIGN PRESSURE TABLES B

PW-5420 NTS 7 OF 9

9/9/14

J ROSOWSKI

MD-5420.0

Revision:

C) NO CHANGES THIS SHEET.
AK - 03/16/20

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0401.15
Expiration Date 04/30/2025
By [Signature]
Miami-Dade Product Control

TABLE 8:

Window Design Pressure, (+/- psf)														Use this table for Glass Type: 5	
1/4" A Cap - Airspace - 1/4" A															
Window Dimensions	81.52	83	85	87	89	92	94	97	99	103	107	110	111		
46	+/-67.1	+/-66.7	+/-66.1	+/-65.3	+/-63.2	+/-60.1	+/-58	+/-55.1	+/-53.6	+/-51.3	+/-48.8	+/-46.8	+/-46.4		
48	+/-65.4	+/-65	+/-64.3	+/-63.8	+/-62.8	+/-59.8	+/-57.6	+/-54.9	+/-53.5	+/-50.8	+/-47.9	+/-45.9	+/-45.4		
50	+/-63.9	+/-63.4	+/-62.8	+/-62.2	+/-61.6	+/-58.4	+/-56.2	+/-53.5	+/-52.2	+/-49.6	+/-46.3	+/-44.3	+/-43.4		
52	+/-62.6	+/-62.1	+/-61.4	+/-60.8	+/-60.2	+/-56.9	+/-54.7	+/-52.1	+/-50.6	+/-47.5	+/-44.5	+/-42.5	+/-41.4		
54	+/-61.4	+/-60.8	+/-60.2	+/-59.5	+/-58.9	+/-55.6	+/-53.3	+/-50.6	+/-49.1	+/-45.9	+/-42.9	+/-40.9	+/-40.4		
56	+/-60.3	+/-59.7	+/-59	+/-58.4	+/-57.7	+/-54.4	+/-52.1	+/-49.4	+/-47.9	+/-44.9	+/-41.9	+/-39.9	+/-39.4		
58	+/-59.3	+/-58.7	+/-58	+/-57.3	+/-56.7	+/-53.4	+/-51.1	+/-48.4	+/-46.9	+/-43.9	+/-40.9	+/-38.9	+/-38.4		
60	+/-58.5	+/-57.8	+/-57.1	+/-56.5	+/-55.7	+/-52.4	+/-50.1	+/-47.4	+/-45.9	+/-42.9	+/-39.9	+/-37.9	+/-37.4		
62	+/-57.7	+/-57.1	+/-56.3	+/-55.5	+/-54.9	+/-51.6	+/-49.3	+/-46.6	+/-45.1	+/-42.1	+/-39.1	+/-37.1	+/-36.6		
64	+/-57	+/-56.4	+/-55.6	+/-54.8	+/-54.1	+/-50.8	+/-48.5	+/-45.8	+/-44.3	+/-41.3	+/-38.3	+/-36.3	+/-35.8		
67	+/-56.2	+/-55.5	+/-54.6	+/-53.8	+/-53	+/-49.7	+/-47.4	+/-44.7	+/-43.2	+/-40.2	+/-37.2	+/-35.2	+/-34.7		
68	+/-55.9	+/-55.2	+/-54.3	+/-53.5	+/-52.7	+/-49.4	+/-47.1	+/-44.4	+/-42.9	+/-39.9	+/-36.9	+/-34.9	+/-34.4		
70	+/-55.5	+/-54.8	+/-53.8	+/-53	+/-52.2	+/-48.9	+/-46.6	+/-43.9	+/-42.4	+/-39.4	+/-36.4	+/-34.4	+/-33.9		
72	+/-55.1	+/-54.4	+/-53.4	+/-52.5	+/-51.7	+/-48.4	+/-46.1	+/-43.4	+/-41.9	+/-38.9	+/-35.9	+/-33.9	+/-33.4		
74	+/-54.8	+/-54	+/-53	+/-52.1	+/-51.3	+/-48	+/-45.7	+/-43	+/-41.5	+/-38.5	+/-35.5	+/-33.5	+/-33		
76	+/-54.6	+/-53.8	+/-52.7	+/-51.8											
78	+/-53.8	+/-52.9	+/-51.8												
80	+/-52.8														
81.52	+/-51.8														

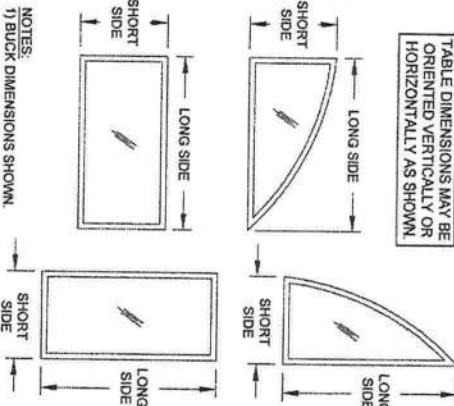
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)

MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO E, F ANCHORS (SEE TABLE 3)

15"

26" FOR E ANCHORS, 4" FOR F ANCHORS

TABLE DIMENSIONS MAY BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN.



- NOTES:
- 1) BUCK DIMENSIONS SHOWN.
 - 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
 - 3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

TABLE 9:

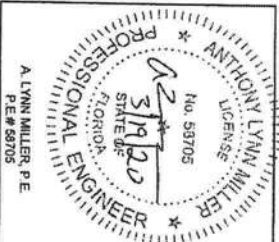
Window Design Pressure, (+/- psf)																				Use this table for Glass Type:	
1/4" T Cap - Airspace - 1/4" T																				6	
Window Dimensions	Long Side (in)														End Side (in)						
	84.85	86	90	92	94	97	100	102	105	109	112	116	120	124	128	133	138	144			
46	+80.96.2	+80.95.7	+80.94.2	+80.93.5	+80.92.8	+80.91.9	+80.91.1	+80.90.5	+80.89.8	+80.88.9	+80.88.2	+80.87.5	+80.86.7	+80.86.1	+80.85.5	+80.84.8	+80.84.1	+80.83.5			
48	+80.93.7	+80.93.2	+80.91.6	+80.90.9	+80.90.2	+80.89.3	+80.88.4	+80.87.9	+80.87.1	+80.86.2	+80.85.5	+80.84.7	+80.84	+80.83.3	+80.82.7	+80.82	+80.81.3	+80.80.6			
50	+80.91.5	+80.91	+80.89.3	+80.88.6	+80.87.9	+80.86.9	+80.86	+80.85.5	+80.84.7	+80.83.7	+80.83	+80.82.2	+80.81.5	+80.80.8	+80.80.2	+80.79.4	+80.78.8	+80.78.1			
52	+80.89.4	+80.88.9	+80.87.2	+80.86.5	+80.85.7	+80.84.7	+80.83.8	+80.83.3	+80.82.4	+80.81.5	+80.80.8	+80	+80.79.2	+80.78.5	+80.77.8	+80.77.1	+80.76.4				
54	+80.87.6	+80.87.1	+80.85.3	+80.84.5	+80.83.8	+80.82.8	+80.81.2	+80.80.4	+80.8	+80.79.4	+80.78.7	+80.77.9	+80.77.1	+80.76.4	+80.75.7	+80.74.9					
56	+80.86	+80.85.4	+80.83.6	+80.82.8	+80.82	+80.81	+80.80	+80.79.4	+80.78.5	+80.77.5	+80.76.8	+80.75.9	+80.75.1	+80.74.4	+80.73.7						
58	+80.84.5	+80.83.9	+80.82.1	+80.81.2	+80.80.4	+80.79.3	+80.78.3	+80.77.7	+80.76.8	+80.76.2	+80.75.3	+80.74.2	+80.73.4	+80.72.5	+80.71.7						
60	+80.83.2	+80.82.6	+80.80.6	+80.79.8	+80.79	+80.77.8	+80.76.8	+80.76.2	+80.75.3	+80.74.2	+80.73.4	+80.72.5	+80.71.7								
62	+80.82	+80.81.3	+80.79.4	+80.78.5	+80.77.6	+80.76.5	+80.75.4	+80.74.7	+80.73.8	+80.72.7	+80.71.9	+80.71.1									
64	+80.80.9	+80.80.3	+80.78.2	+80.77.2	+80.76.2	+80.75.3	+80.74.1	+80.73.4	+80.72.5	+80.71.3	+80.70.6										
66	+80	+80.79.3	+80.77.2	+80.76.2	+80.75.3	+80.74.1	+80.72.9	+80.72.2	+80.71.3	+80.70.1											
68	+80.79.2	+80.78.5	+80.76.2	+80.75.2	+80.74.3	+80.73	+80.71.9	+80.71.2	+80.70.2												
70	+80.78.4	+80.77.7	+80.75.4	+80.74.4	+80.73.4	+80.72.1	+80.70.9	+80.70.2													
72	+80.77.8	+80.77.1	+80.74.7	+80.73.6	+80.72.6	+80.71.2	+80.70														
74	+80.77.3	+80.76.5	+80.74	+80.72.9	+80.71.9	+80.70.5															
76	+80.76.9	+80.76	+80.73.5	+80.72.3	+80.71.2																
78	+80.76.5	+80.75.7	+80.73	+80.71.8																	
80	+80.76.3	+80.75.4	+80.72.6																		
83	+80.76.1	+80.75.1																			
84.85	+80.76																				
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)																MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO E ANCHORS (SEE TABLE 3)					
15.5"																3.7"					

MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)

15"

MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 APPLIES TO F ANCHORS (SEE TABLE 3)

32"



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

VINYL FIXED WINDOW NOA (NI) 9/9/14
DESIGN PRESSURE TABLES C J ROSOWSKI
PW-5420 NTS 8 OF 9 MD-5420.0

Revision: (C) NO CHANGES THIS SHEET. AK-03/16/20
By: Miami Bada Product Control
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0401.15 Expiration Date 04/30/2025

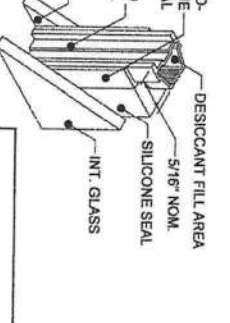
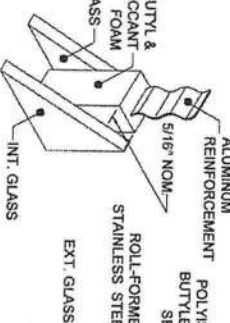
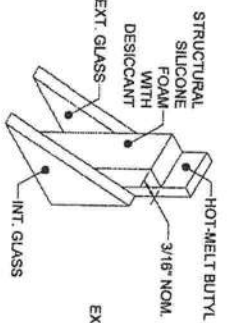
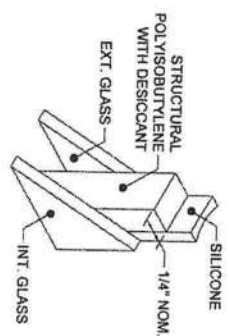
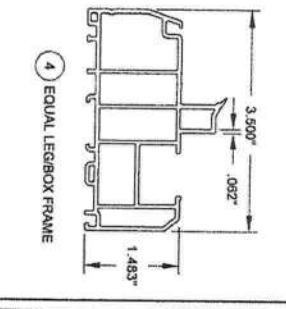
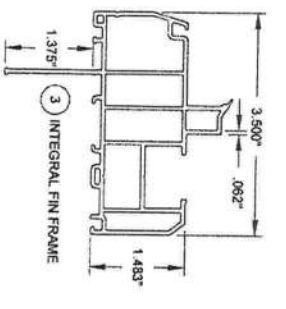
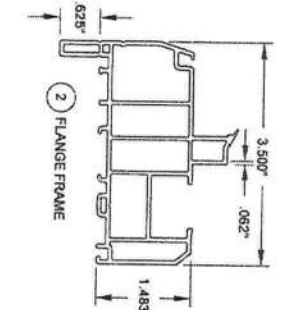
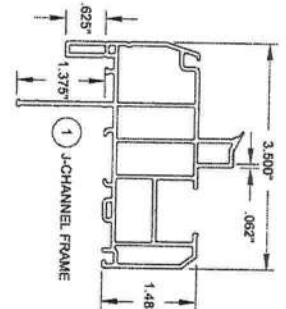
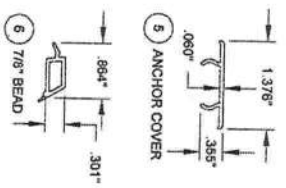
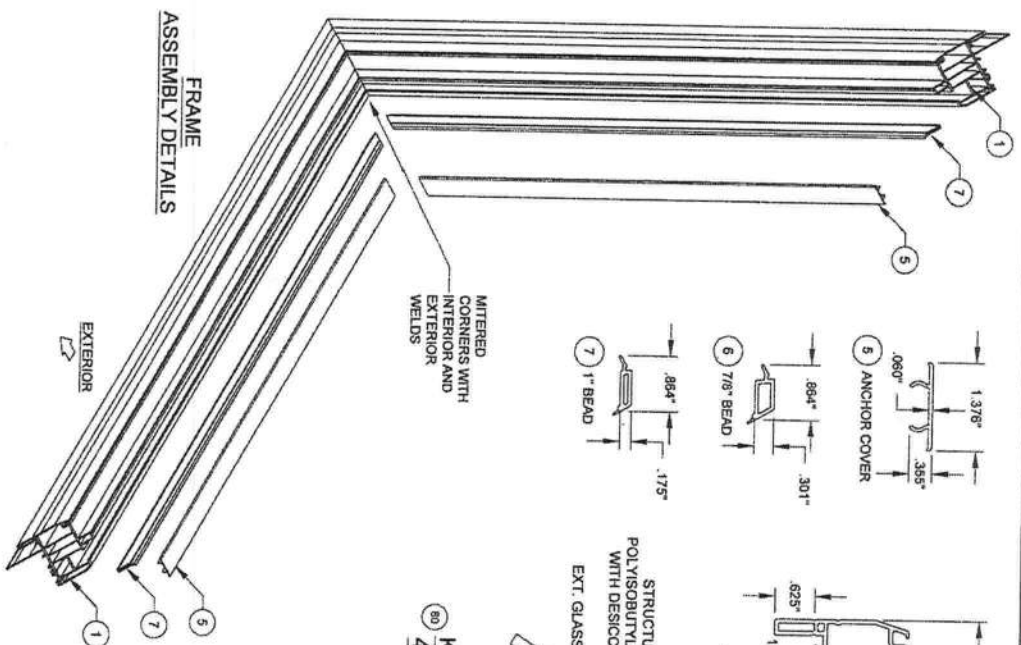


TABLE 10:		
#	Part #	Description
1	620117	J-Channel Frame
2	620118	Flange Frame
3	620119	Integral Fin Frame
4	620120	Equal Leg/Box Frame
5	620133	Anchor Cover
6	720136	7/8" Glazing Bead
7	720135	1" Glazing Bead
74		Backbedding, GE 7700 or Dow 791 or Dow 983
78	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- .5 duro. EPDM

Part #	Description	Material
80	Konmerling 4SG TPS Spacer System	See this
81	Quanex Super Spacer NXT with Hot Melt Butyl	Sheet for
82	Quanex Duraseal Spacer	Materials
83	Cardinal XL Edge Spacer	

NOTES:
1) SOME PARTS NOT SHOWN FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PARTS #1.
3) OTHER FRAME TYPES APPLY.
4) ITEMS # 6-73, 75-77, 79 & 84-89 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.
5) ENERGY PVC TO BE LABELED FOR AAMA EXTRUDER CODE.



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600

REGISTRATION #23286

VINYL FIXED WINDOW NOA (NI)

BOM & ASSEMBLY

PW-5420

Scale

NTS

Sheet

9 OF 9

DWG No.

MD-5420.0

Rev.

C



ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

PRODUCT REVISED

20-0401.15

Expiration Date 04/30/2025

By

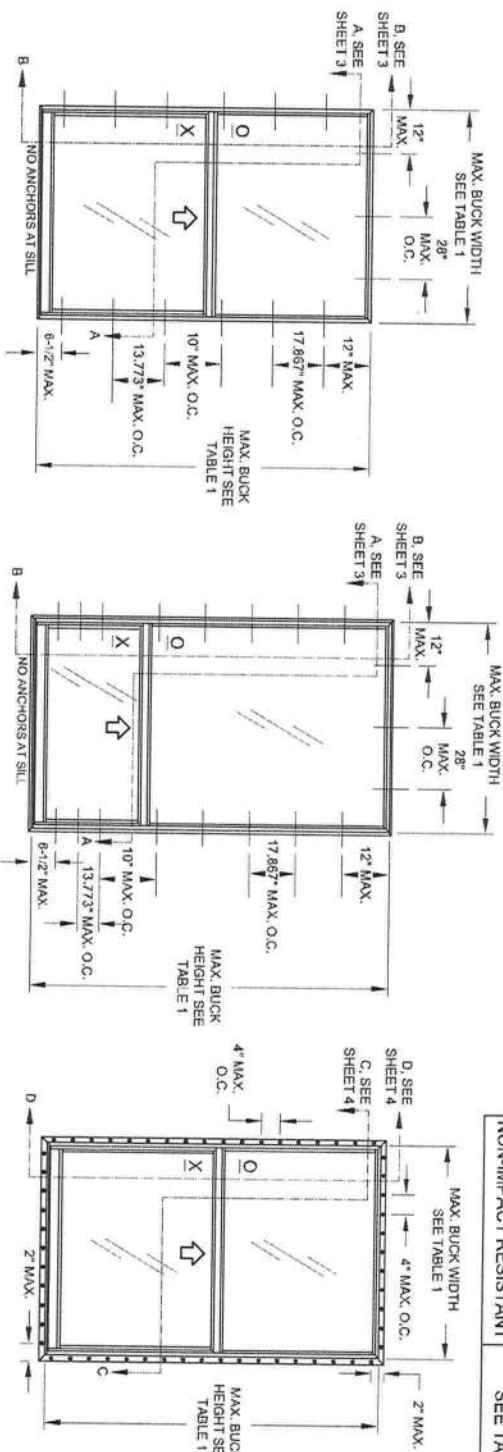
Miami-Dade Product Control

Revision

C) ADDED BACKBEDDING.

AK - 03/16/20

IMPACT RATING	DESIGN PRESSURE RATING
NON-IMPACT RESISTANT	SEE TABLE 1



ELEVATION FOR TYP. EQUAL LEG FRAME,
EQUAL-LITE CONFIGURATION

ELEVATION FOR TYP. FLANGE FRAME,
PROVIER/ORIEL CONFIGURATION
(COTTAGE SIMILAR)

ELEVATION FOR TYP. FIN OR J-CHANNEL FRAME,
EQUAL-LITE CONFIGURATION
(SIMILAR ANCHOR DIMENSIONS FOR OTHER CONFIGURATIONS)

GENERAL NOTES: SERIES 5400 NON-IMPACT RESISTANT,
VINYL SINGLE HUNG WINDOW

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. 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. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).
- 3) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT EMBEDMENT. INSTALLATION ANCHORS SHOULD BE SEALED. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 4) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.
- 5) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

TABLE 1: Window Buck Size				
Width	Height	Configuration	Reinf. Level	Design Pressure (+) psf (-) psf
40"	63"	Equal-Lite	R4	50.0 70.0
36"	62"	Std. Provview	R4	50.0
36"	67-9/16"	Custom Sash	R4	50.0
52-1/8"	84"	Equal-Lite		
52-1/8"	84"	Std. Provview	R1	50.0
52-1/8"	91-13/16"	Custom Sash		
52-1/8"	84"	Equal-Lite		
52-1/8"	84"	Std. Provview	R2	65.0
52-1/8"	91-13/16"	Custom Sash		

MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136 (APPLIES TO ANY HEIGHT 91.78" OR LESS).

Rev.	Desc.	Sheet	By	Date
	ADDED ANCHORS TO TABLE 2			10/01/2020

Series	Desc.	Title	Drawn By	Date
SH 5400	GENERAL NOTES & ELEVATIONS	VINYL SINGLE HUNG INSTALLATION, NI	J ROSOWSKI	09/30/11

Sheet	1 OF 4	DWG No	SH5400-FPA	Rev.	A
-------	--------	--------	------------	------	---

SHAPES MAY BE USED BY INSCRIBING THE SHAPE IN A BLOCK AND OBTAINING DESIGN PRESSURES FOR THAT BLOCK SIZE FROM THE TABLE ON THIS SHEET.

COPYRIGHT © 2020
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275 (841) 480-1600

ANTHONY LYNN MILLER
No. 58705
10/10/26/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER P.E.
P.E.# 58705

Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 SMS (steel, 18-8 S.S. or 410 S.S.) Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55) Steel Stud, A36 Aluminum, 6063-T5	7/16" 3/8" 3/8"	1-3/8" 0.050" 0.0346" (20 Ga.)
#12 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG=0.55) Steel Stud, A36 Aluminum, 6063-T5	9/16" 3/8" 3/8"	0.0713" (14 Ga.) 1-3/8" 0.050"
3/16" Ultracon Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55) Concrete (min. 3.00 ksi) Ungrouted CMU (ASTM C-90)	7/16" 1" 2-1/2"	1-3/8" 1-3/8" 1-1/4"
3/16" Ultracon+ Max. DP of 50.0 psf	P.T. Southern Pine (SG=0.55) Concrete (min. 3 ksi) Ungrouted CMU (ASTM C-90)	7/16" 1" 1"	1-3/8" 1-3/8" 1-1/4"
1/4" Ultracon	P.T. Southern Pine (SG=0.55) Concrete (min. 2.85 ksi) Ungrouted CMU (ASTM C-90)	1" 1" 2-1/2"	1-3/8" 1-1/4" 1-3/8"
1/4" Ultracon+	P.T. Southern Pine (SG=0.55) Concrete (min. 3 ksi) Ungrouted CMU (ASTM C-90)	1-3/16" 1" 1"	1-3/4" 1-3/4" 1-1/4"
1/4" Crete-Flex (410 S.S.)	P.T. Southern Pine (SG=0.55) Concrete (min. 3.35 ksi) Ungrouted CMU (ASTM C-90)	1" 1" 2-1/2"	1-3/8" 1-3/4" 1-1/4"
1/4" Aggre-Gator (18-8 S.S.)	P.T. Southern Pine (SG=0.55) Ungrouted CMU (ASTM C-90)	1-1/2" 1" 2"	1-3/8" 1-3/8" 1-1/4"

Anchor	Substrate	Min. Edge Distance	Min. Embedment
2-1/2" x .131" Common Nail Max. DP of 50.0	P.T. Southern Pine (SG= .55)	9/16"	2-7/16"
2-1/2" x .131" Ring-shank Nail	P.T. Southern Pine (SG= .55)	9/16"	2-7/16"
2-1/2" x .145" Roofing Nail	P.T. Southern Pine (SG= .55)	9/16"	2-7/16"
#10 SMS (steel, 18-8 S.S. or 410 S.S.)	P.T. Southern Pine (SG= .55) Aluminum, 6063-T5 Steel Stud, Gr. 33	3/4" 3/8" 3/8"	1-3/8" 0.0713" (14 Ga.) 0.0346" (20 Ga.)

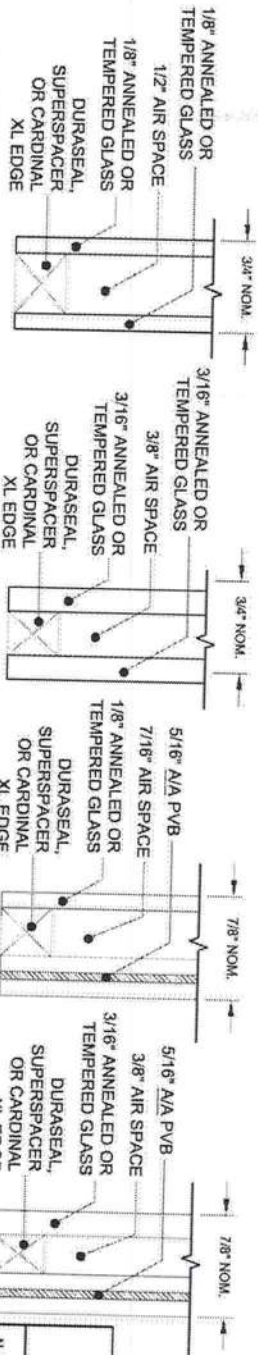
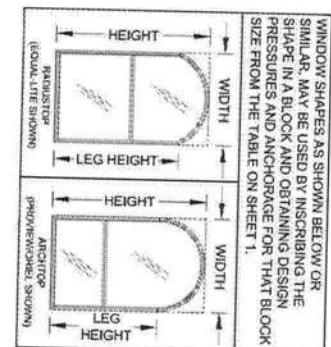
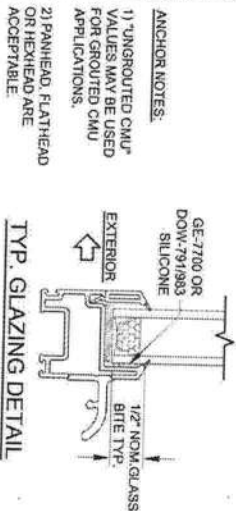
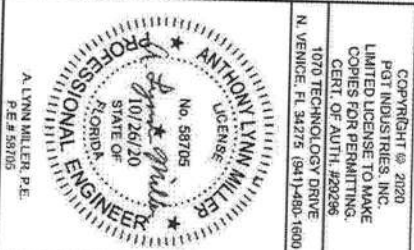


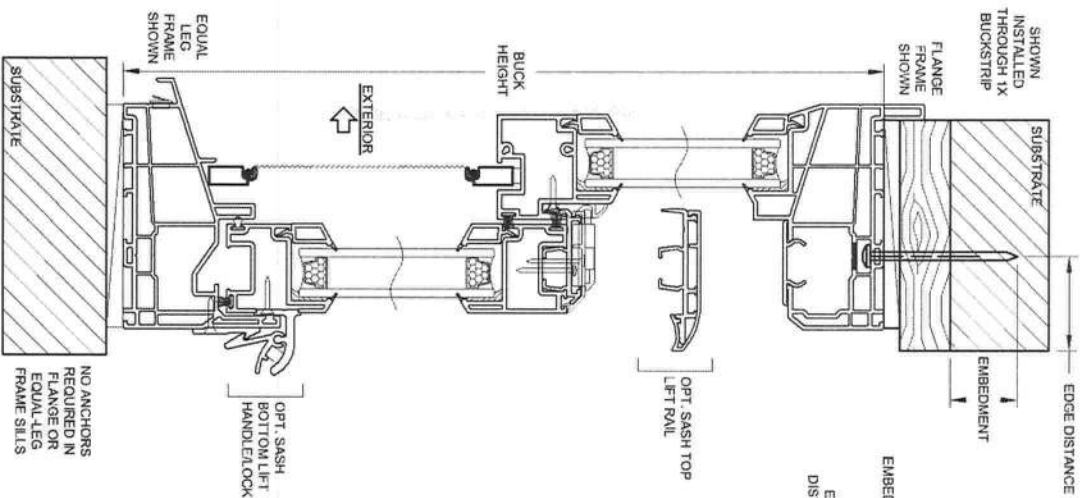
TABLE 4: REINFORCEMENT TYPES

Level	Reinforcement		
	Upper Lite	Lower Lite	Side Rails
R1	Bottom Rail	Top Rail	Bottom Rail
R2	B	A	A
R3	C	A	A
R4	B	A	A

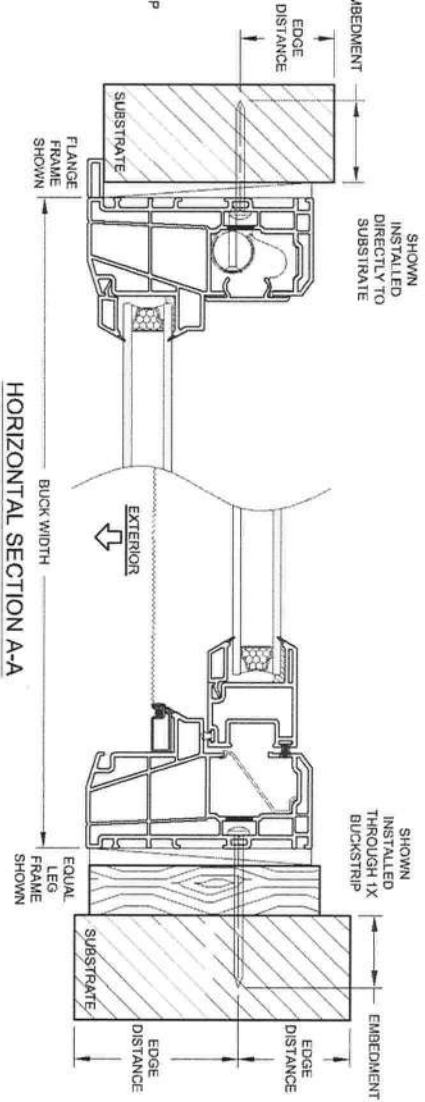


SH 5400
 2 OF 4
 SH5400-FPA
 A

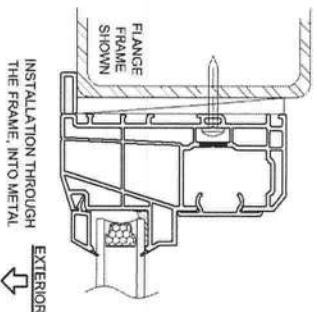




VERTICAL SECTION B-B



HORIZONTAL SECTION A-A

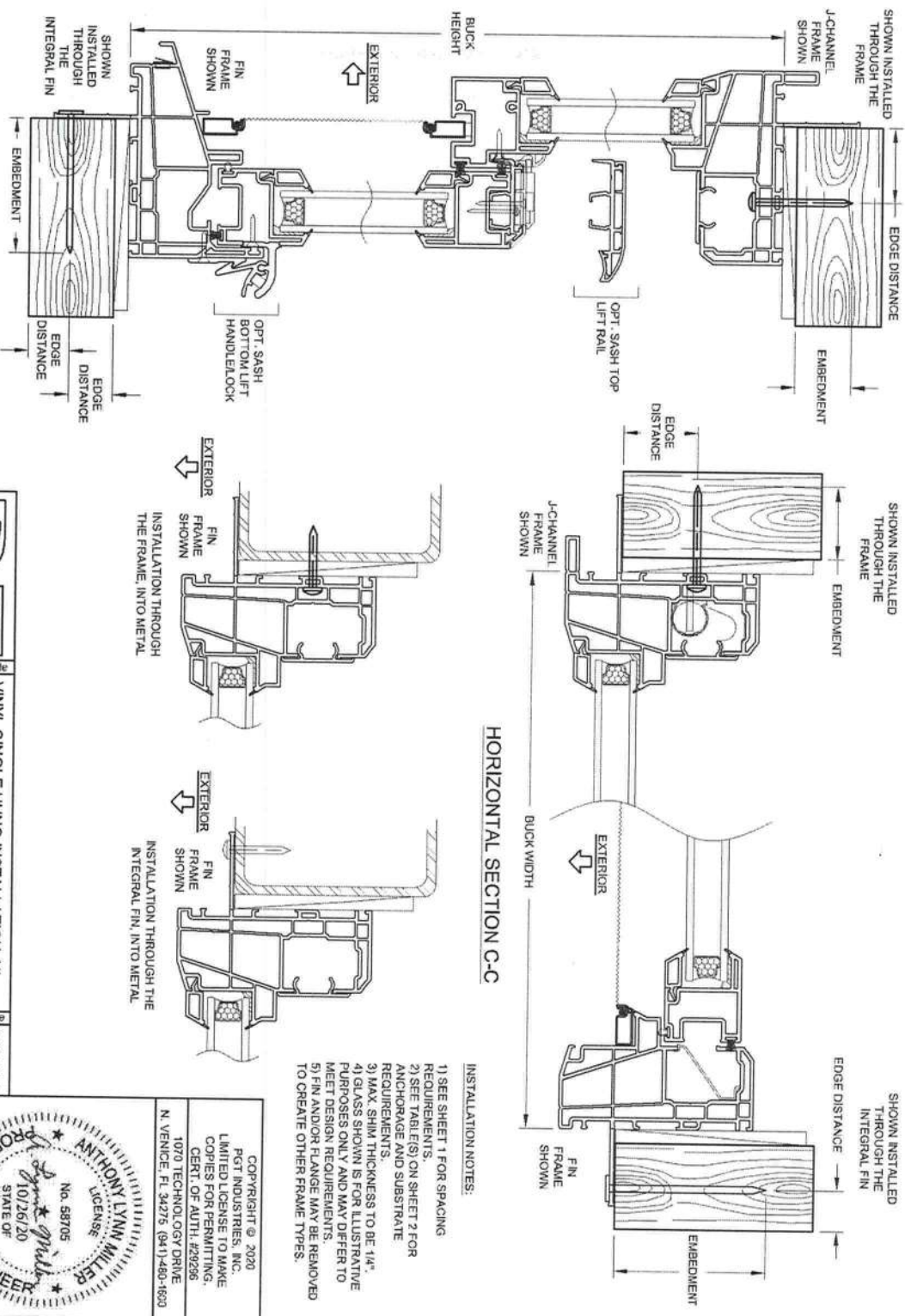


- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
 - 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
 - 3) MAX. SHIM THICKNESS TO BE 1/4".
 - 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
 - 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.

Series	Desc	Title
SH 5400	FLANGE/EQUAL-LEG INSTALLATION	VINYL SINGLE HUNG INSTALLATION, NI
Sheet	3 OF 4	
DWG No	SH5400-FPA	
Rev.	A	
Date	09/30/11	
Drawn by	J ROSOWSKI	

COPYRIGHT © 2020
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275 (941) 480-1600

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/26/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



HORIZONTAL SECTION C-C

VERTICAL SECTION D-D

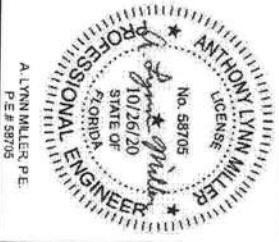
- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR SPACING REQUIREMENTS.
 - 2) SEE TABLE(S) ON SHEET 2 FOR ANCHORAGE AND SUBSTRATE REQUIREMENTS.
 - 3) MAX. SHIM THICKNESS TO BE 1/4"
 - 4) GLASS SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY DIFFER TO MEET DESIGN REQUIREMENTS.
 - 5) FIN AND/OR FLANGE MAY BE REMOVED TO CREATE OTHER FRAME TYPES.



Series	Desc	Title
SH 5400	Integral Fin Installation	VINYL SINGLE HUNG INSTALLATION, NI

Sheet	4 OF 4	DWG No.	SH5400-FPA	Rev.	A
-------	--------	---------	------------	------	---

Drawn By	Date
J ROSOWSKI	09/30/11



COPYRIGHT © 2020
PGT INDUSTRIES, INC.
LIMITED LICENSE TO MAKE
COPIES FOR PERMITTING.
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275 (941) 480-1600

ANTHONY LYNN MILLER
No. 58705
10/26/20
PROFESSIONAL ENGINEER
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705



5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

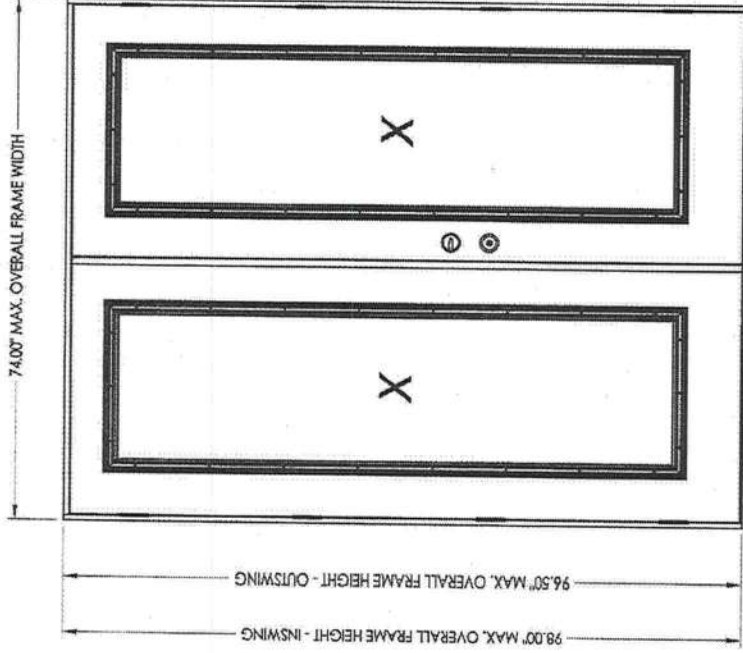
Smooth / Wood Grain / White Wood Grain
Rustic / Mahogany

Series N Fiberglass Door
INSWING / OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & 1609.2.1.2.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".
8. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck and frame anchoring
9	Astragal details
10	Bill of materials & components



OVERALL FRAME DIMENSION	OVERALL D.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
74.0" X 98.0"	21.0" X 79.0"	G1	+47.0	-47.0

REVISIONS

NO.	DATE	DESCRIPTION
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: J/K

CHECK BY: LFS

DRAWING NO.: FL-15220.14

SHEET: 1 of 10

PROFESSIONAL ENGINEER

L.F. SCHMIDT

FLORIDA

NO. 43409

SEAL

July 27, 2020

Documents Prepared By: London F. Schmidt

P.E. No. 43409

BUILDING CONSULTANTS, INC.

P.O. Box 230, Vero Beach, FL 33595

Phone No.: 813.659.9137

FBPE Registry No. 9813

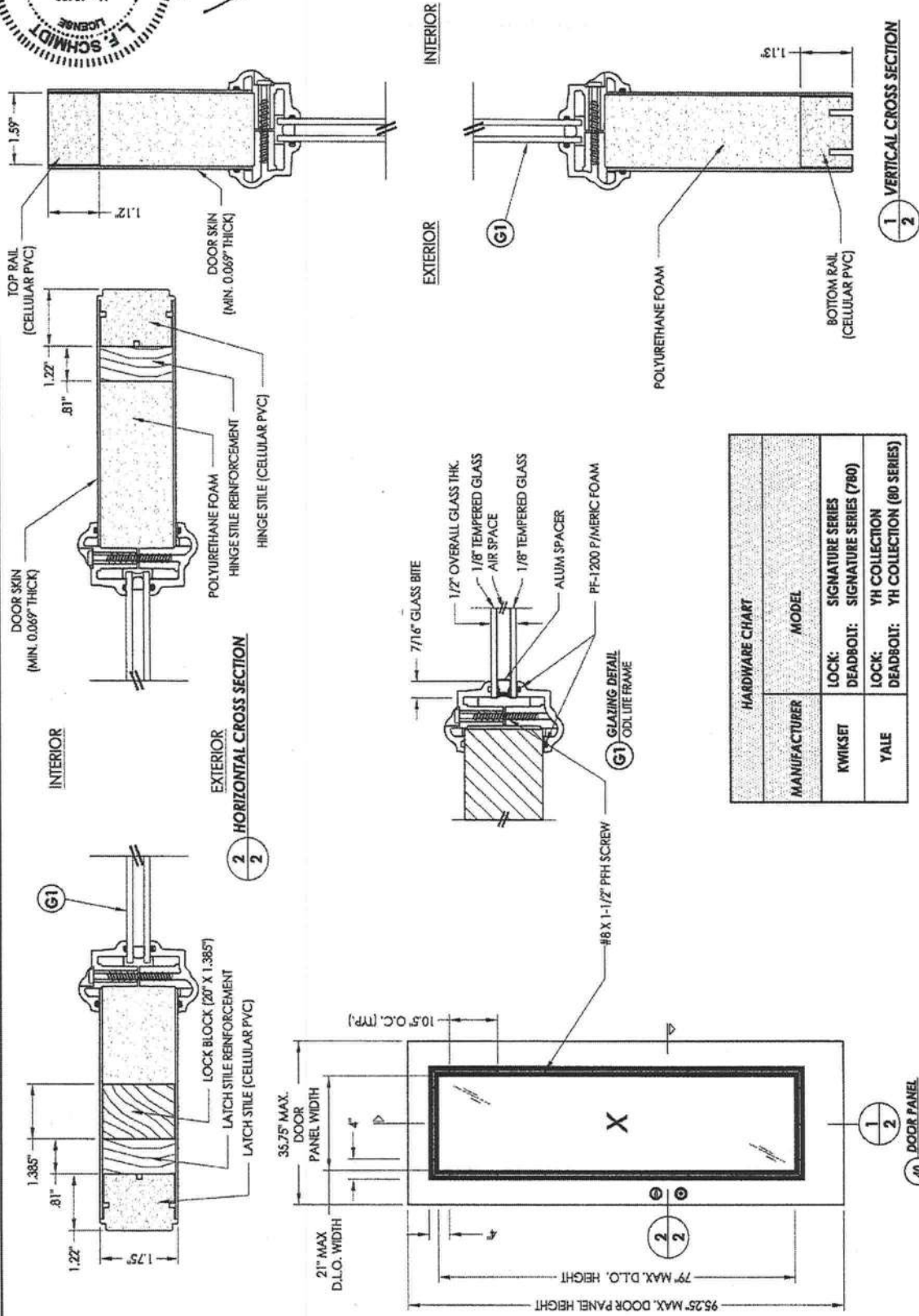
DATE	02/20/12	SCALE	N.T.S.	DWG. BY	JK	CHECKED	LFS
DRAWING NO.:	FL-15220.14	SHEET	2 OF 10				
REVISED							
	NO.	DATE					
LFS	3	7/27/20	UPDATE TO 7TH ED (2020) FBC				
JK	2	08/02/17	UPDATE TO 6TH ED (2017) FBC				
JK	1	04/22/15	UPDATE TO 5TH ED. (2014) FBC				
BY							

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR
PART OR ASSEMBLY: DOOR PANEL DETAILS AND GLAZING DETAIL

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 License No. 13,659,9197
 P.O. Box 230, Valrico, FL 33595
 BUILDING CONSULTANTS, INC.
 P.E. No. 43409
 Lyndon F. Schmidt
 Documents Prepared By:

A circular professional engineer seal for the State of Florida. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "FLORIDA" at the bottom, separated by two stars. Inside the ring, the name "L.F. SCHMIDT" is written in a larger font, with "LICENSE" below it. In the center, the license number "No. 43409" is displayed, with a small star above it.

247



RC\clients\Plastpro, Inc PERMANENT\A - Florida Product Approvals\F-15220 Non-Impact Fiberglass Door - Inswing-Outswing\C - Drawings\F-15220 (2020)\F-15220.14.dwg, 4-2

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHECK BY: LFS

DRAWING NO.: FL-15220.14

SHEET 3 OF 10

NO.

DATE

1

04/22/15

UPDATE TO 5TH ED. (2014) FBC

JK

2

08/02/17

UPDATE TO 6TH ED. (2017) FBC

JK

3

7/27/20

UPDATE TO 7TH ED. (2020) FBC

LFS

REVISIONS

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

Documents Prepared By: Lyndon F. Schmidt

P.E. No. 43409

July 27, 2020

PROFESSIONAL ENGINEER

FLORIDA

No. 43409

L. F. SCHMIDT

LICENSE

BUILDING CONSULTANTS, INC.

P.O. Box 230, Vero Beach, FL 33595

Phone No.: 813.659.8197

FBE Registry No. 9813

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

998

999

1000

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

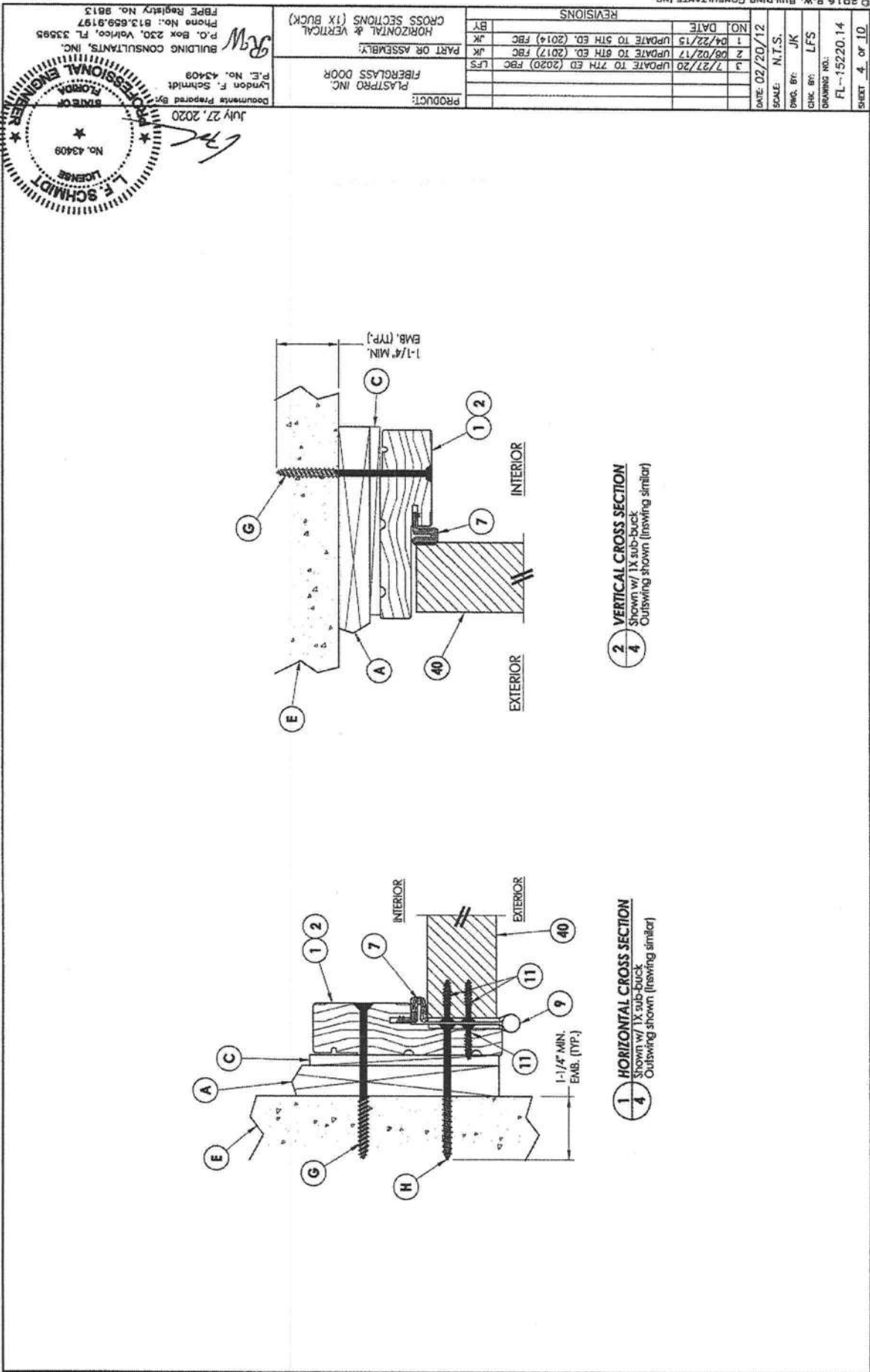
507

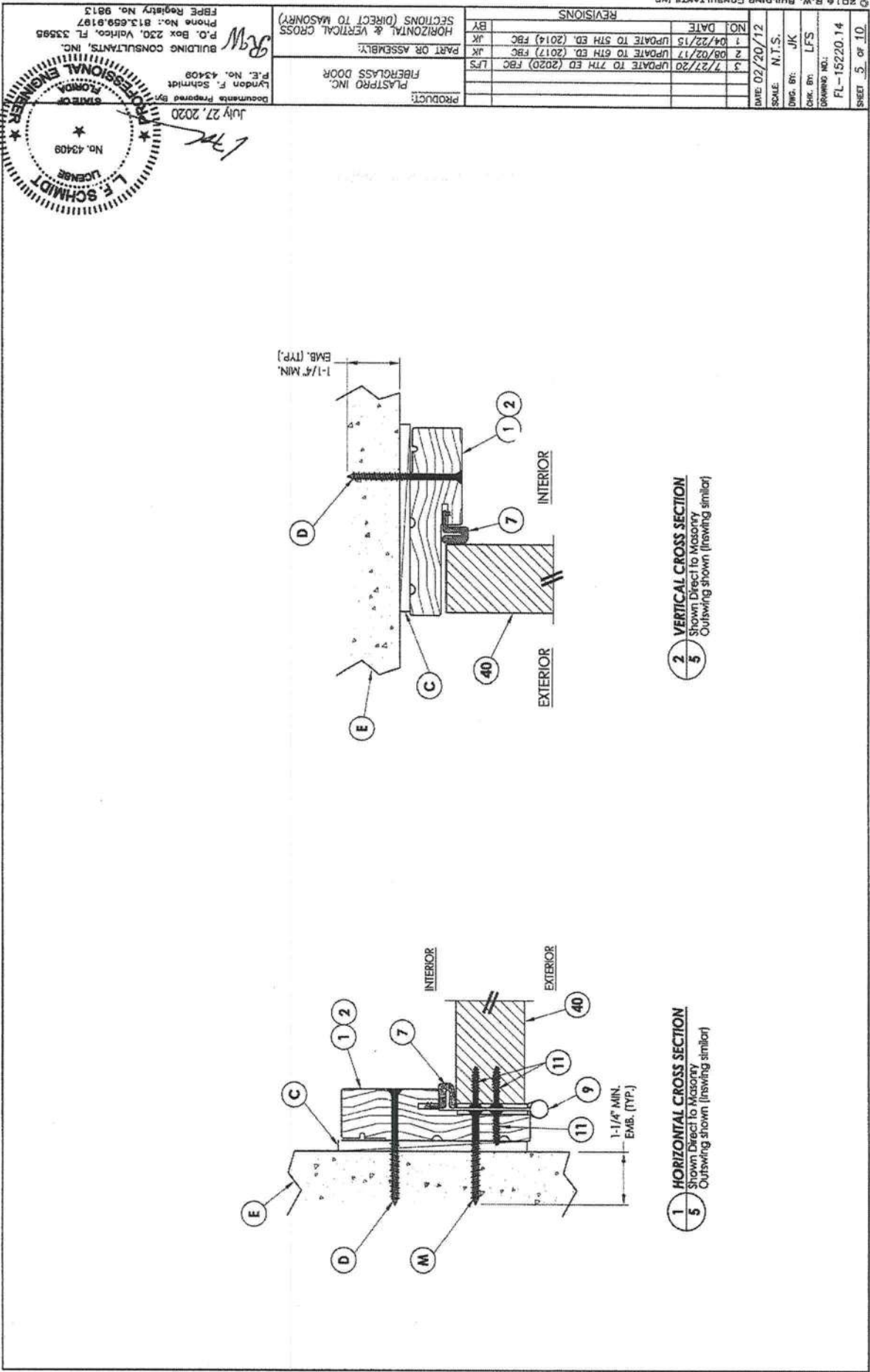
508

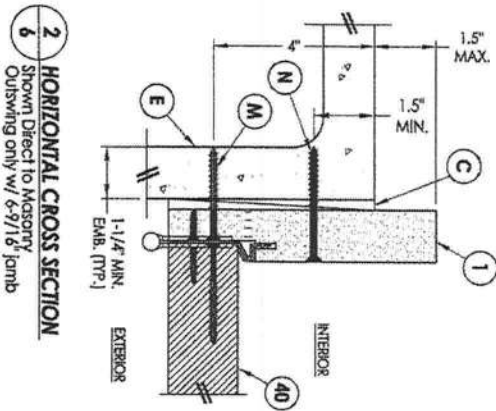
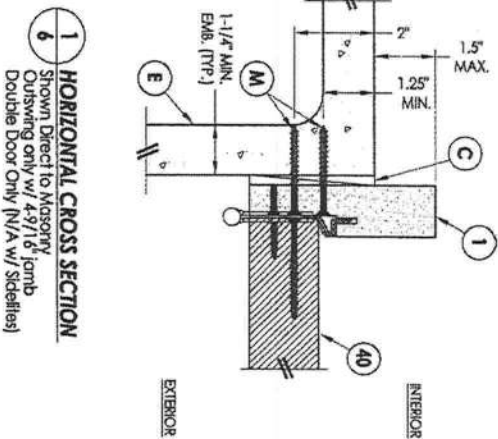
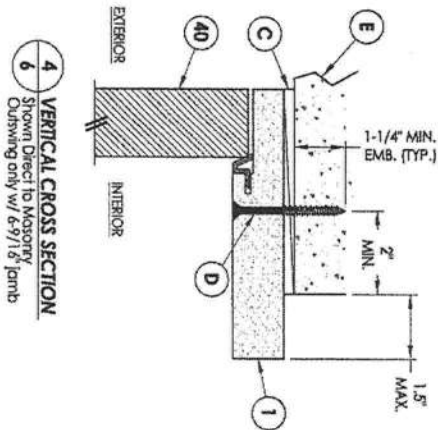
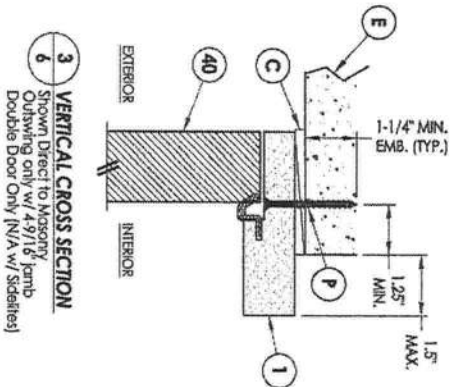
509

510

511







PRODUCT:		PLASTPRO INC. FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15220.14

SHEET 7 of 10

NO.

DATE

1

04/22/15

2

08/02/17

3

7/27/20

UPDATE TO 5TH ED. (2014) FBC

UPDATE TO 6TH ED. (2017) FBC

UPDATE TO 7TH ED (2020) FBC

JK

JK

LFS

REVISIONS

BY

VERTICAL CROSS SECTIONS

PART OR ASSEMBLY:

PRODUCT:

PLASTPRO INC.

FIBERGLASS DOOR

Lyndon F. Schmidt

P.E. No. 43409

Documents Prepared By:

July 27, 2020

BUILDING CONSULTANTS, INC.

P.O. Box 230, Vero Beach, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

2

VERTICAL CROSS SECTION

7

Inswing configuration

EXTERIOR

INTERIOR

1

30

33

40

EMB. (TYP.)

1-1/4" MIN.

1

VERTICAL CROSS SECTION

7

Outswing configuration

EXTERIOR

INTERIOR

EMB. (TYP.)

1-1/4" MIN.

40

29

31

N

Rev: Clients/Plastics, Inc PERMANENT A - Florida Product Approval FL-15220 Non-Impact Fiberglass Door - Inswing-Outswing C - Drawings FL-15220 (2020) FL-15220.14 dwg 4-7

REVISIONS

NO.	DATE	BY
1	04/22/15	JK
2	08/02/17	JK
3	07/27/20	LFS

BUCK AND FRAME ANCHORING

PART OR ASSEMBLY:

PLASTPRO INC.

PLASTPRO DOOR

PRODUCT:

DATE: 02/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15220.14

SHEET: B OF 10

© 2012 R.W. BUILDING CONSULTANTS INC.

Building Consultants, Inc.

P.O. Box 230, Vero Beach, FL 33595

Phone No.: 813.859.8197

FPE Registry No. 9813

Documents Prepared By: Lyndon F. Schmidt

P.E. No. 43408

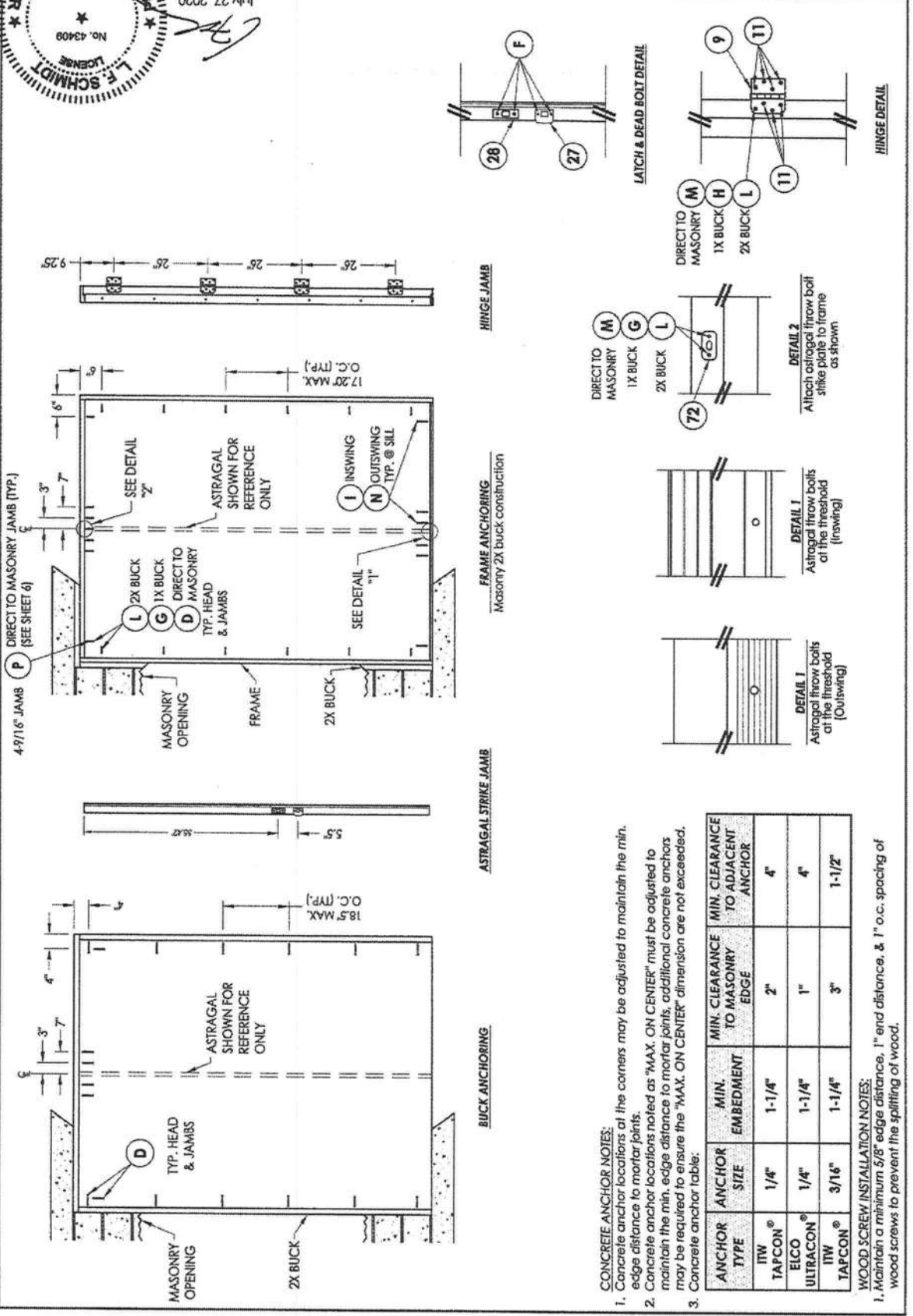
July 27, 2020

Professional Engineer

FLORIDA

No. 43408

L.F. SCHMIDT



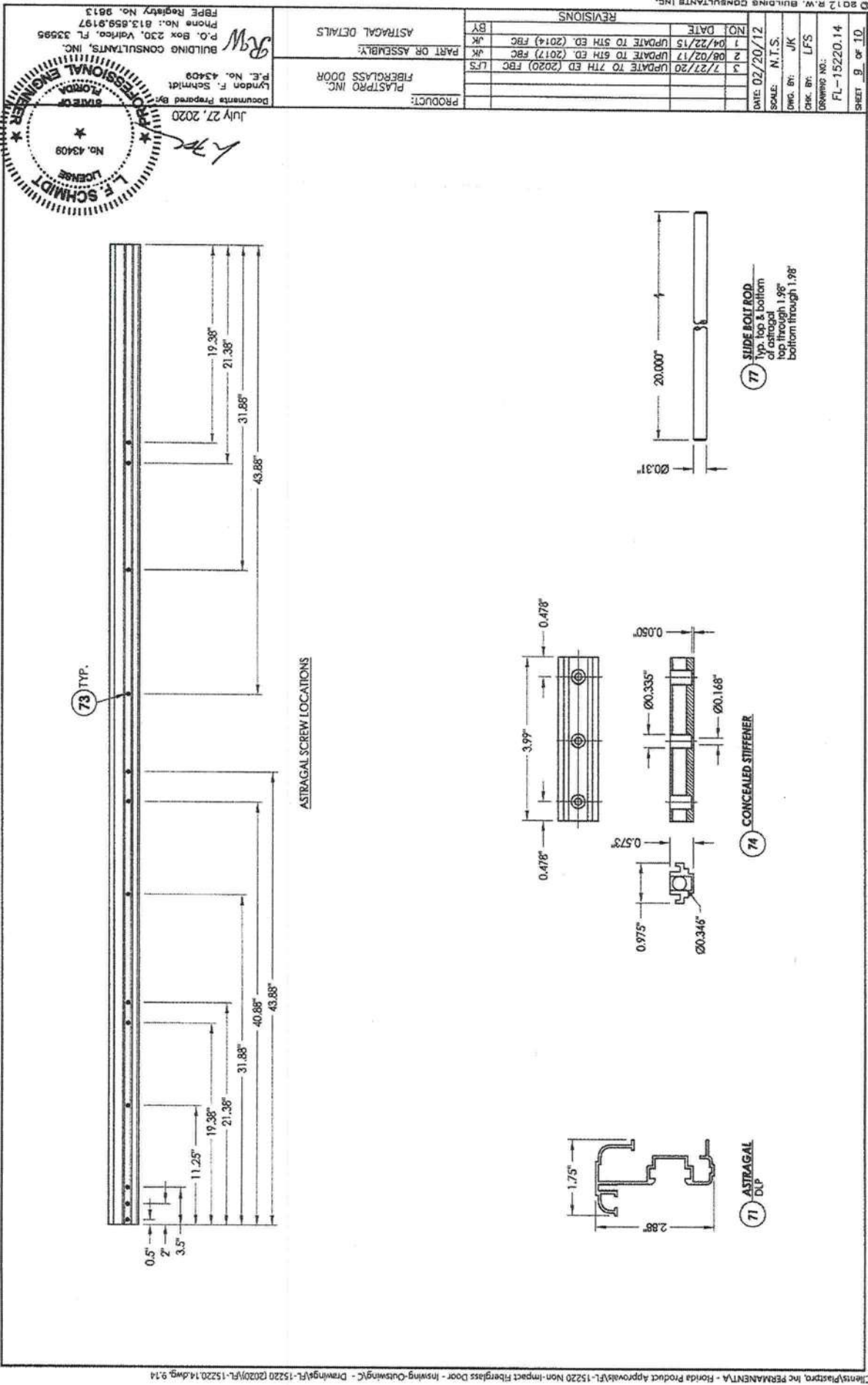
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

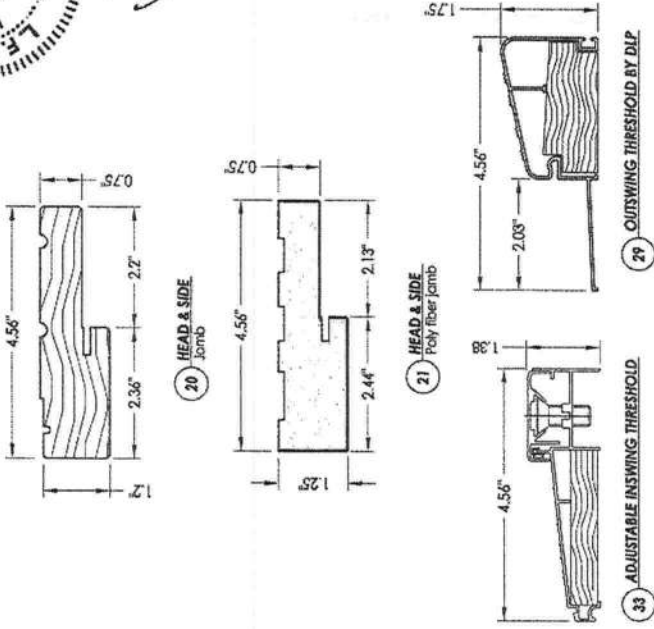
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PTH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
K	#9 X 2-1/2" PPH WOOD SCREW	STEEL
L	#10 X 2-1/2" PPH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#8 X 2" PPH WOOD SCREW	STEEL
N	1/4" x 3-1/4" PPH ITW CONCRETE SCREW	STEEL
7	FORCE 5 WEATHERSTRIPPING BY ENDURA	FOAM
8	COMPRESSION WEATHERSTRIP QLON 650 BY SCHLEGEL	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PPH WOOD SCREW	STEEL
12	#10 X 3" PPH WOOD SCREW	STEEL
20	FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS	WOOD
21	POLY FIBER JAMB	COMP. / VINYL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
29	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
30	INSWING VINYL DOOR BOTTOM SWEEP	VINYL
33	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP	ALUM. / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
71	ASTRAGAL BY DLP (6063-T6 ALUMINUM)	ALUM.
72	ASTRAGAL STRIKE PLATE	STEEL
73	#8 X 2" PPH SCREW	STEEL
74	CONCEALED STIFFENER BY PLASPRO (6063-T6 ALUMINUM)	ALUM.
77	SLIDE BOLT ROD	STEEL



BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 P.E. No. 43405
 Documents Prepared By:
 Lynden F. Schmidt
 July 27, 2020
 L.F. SCHMIDT
 LICENSE
 No. 43405
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER



5200 W. CENTURY BLVD.
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain

Rustic / Mahogany

Series N Fiberglass Door

INSWING / OUTSWING

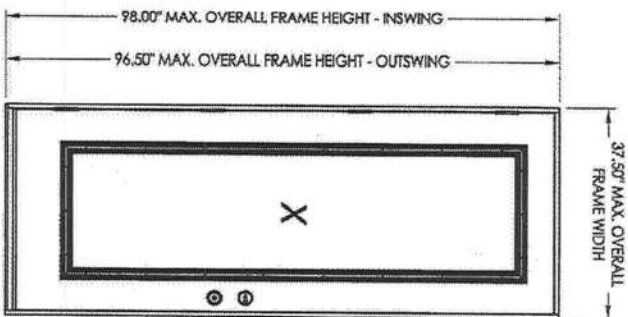
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & 1630.1.2.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".
8. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details and glazing detail
3	Horizontal & Vertical Cross Sections (2x Buck)
4	Horizontal & Vertical Cross Sections (1x Buck)
5	Horizontal & Vertical Cross Sections (Threshold)
6	Vertical Cross Sections (Direct to Masonry)
7	Horizontal & Vertical Cross Sections (Direct to Masonry)
8	Buck and frame anchoring
9	Bill of materials & components



SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)
INSWING	37.50\" x 98.00\"	+47.0 -47.0
OUTSWING	37.50\" x 96.50\"	+47.0 -47.0

July 27, 2020

Documents Prepared By: Lyndon F. Schmidt
P.E. No. 43409

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 43409

PRODUCT: PLASTPRO INC FIBERGLASS DOOR

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

NO.	DATE	DESCRIPTION	BY
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK

DATE: 02/20/12

SCALE: N.T.S.

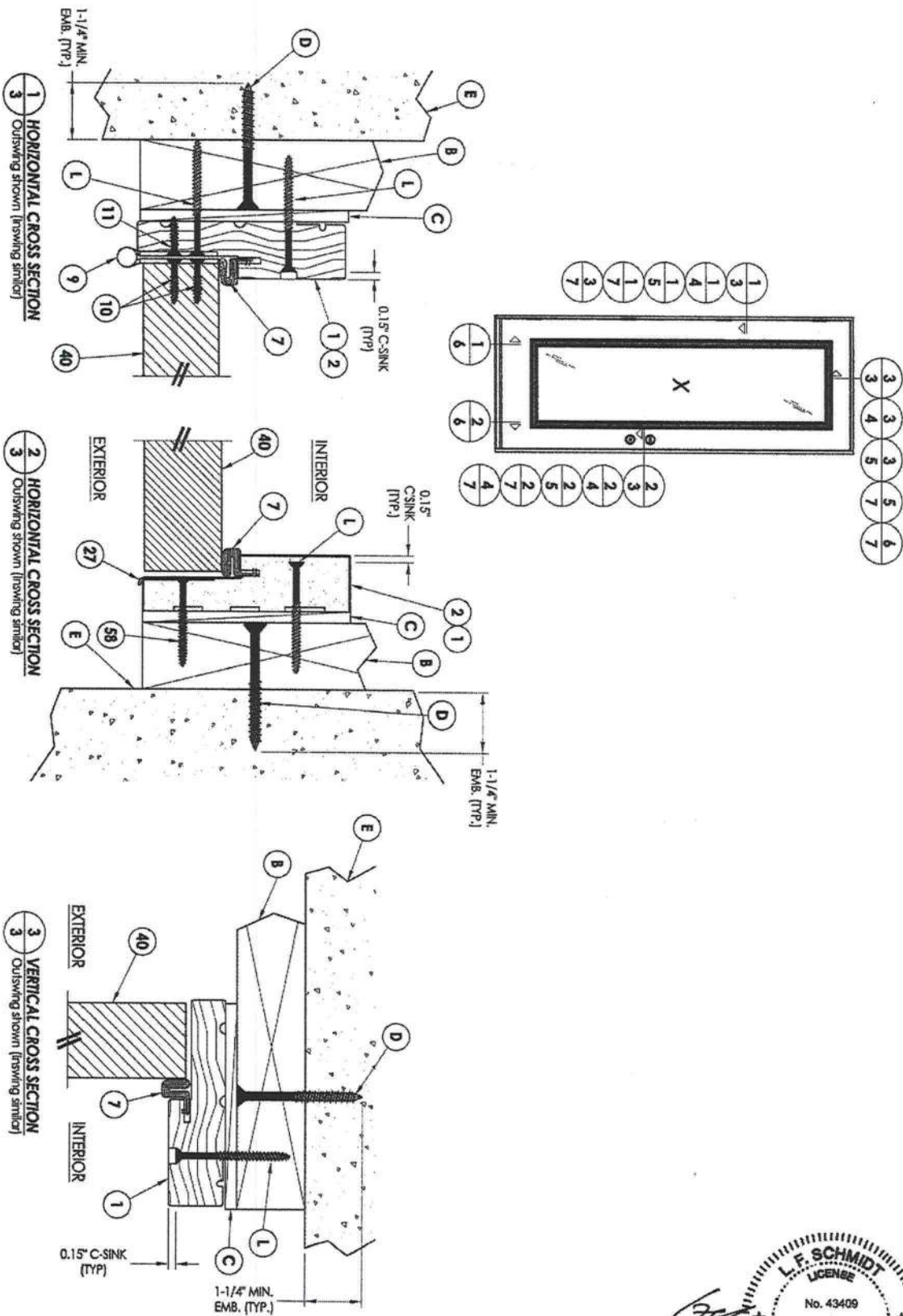
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15220.11

SHEET 1 OF 9

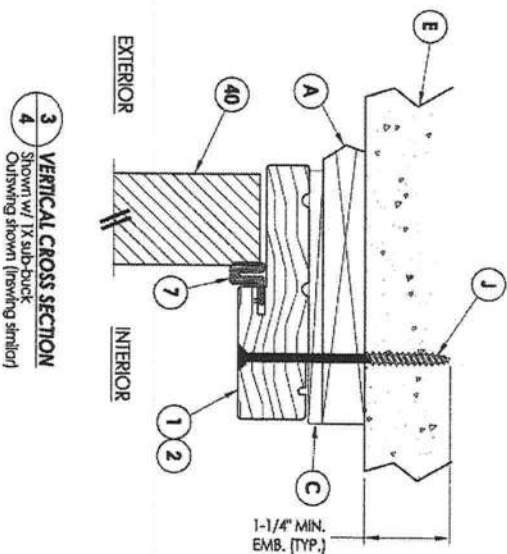
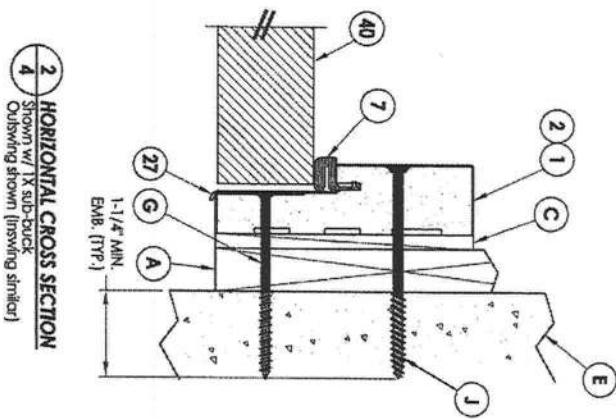
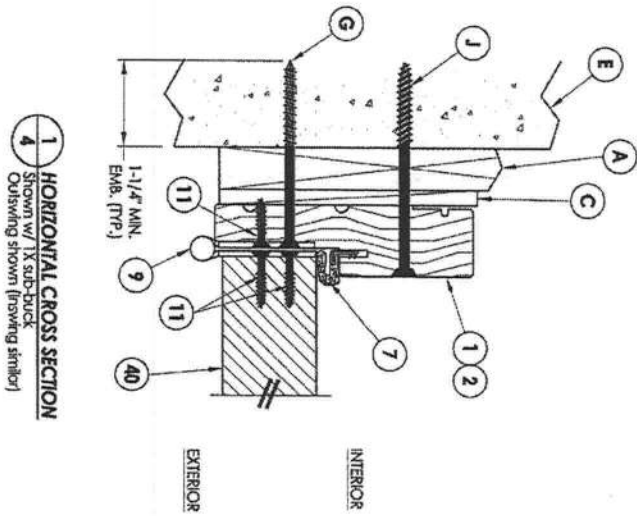
© 2012 R.W. BUILDING CONSULTANTS INC.



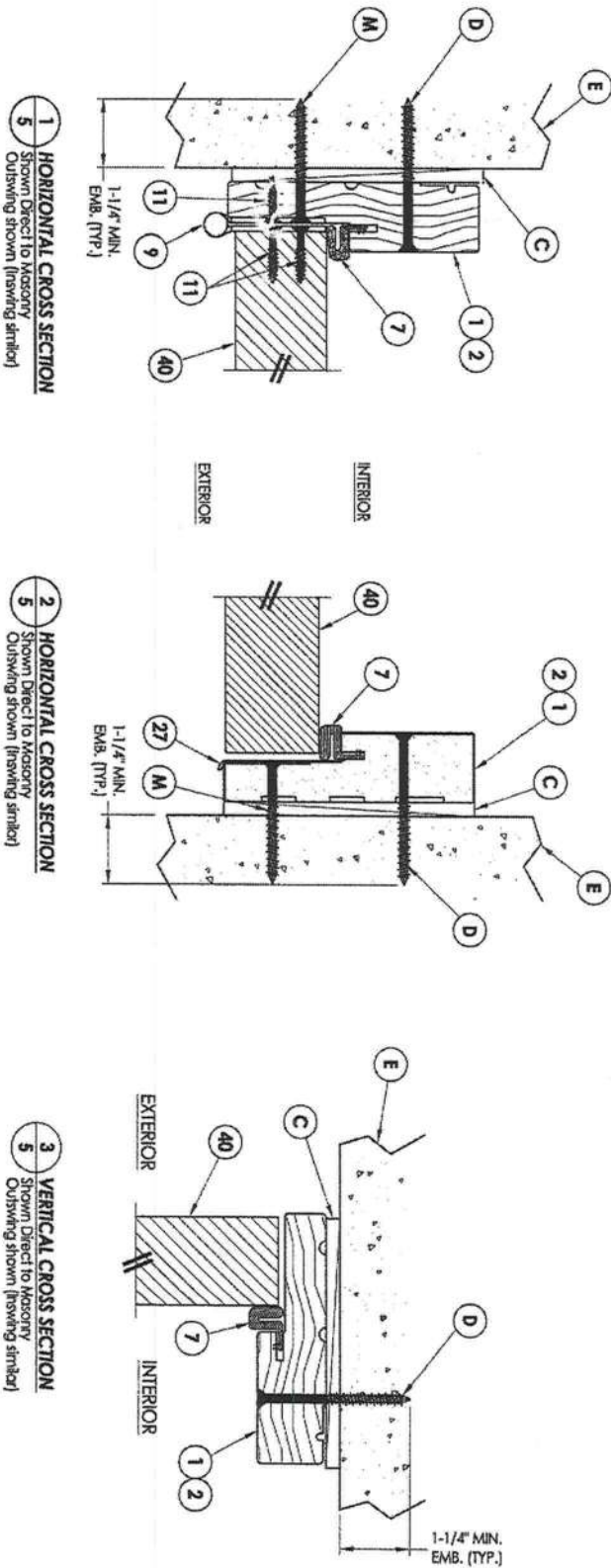
DATE: 02/20/12				SCALE: N.T.S.				DWG. BY: JK				CHK. BY: LFS				DRAWING NO.: FL-15220.11				SHEET 3 OF 9			
NO.				DATE				BY				REVISIONS											
1				04/22/15				JK				UPDATE TO 5TH ED. (2014) FBC											
2				08/02/17				JK				UPDATE TO 6TH ED. (2017) FBC											
3				7/27/20				LFS				UPDATE TO 7TH ED (2020) FBC											

PRODUCT:		PLASTPRO INC FIBERGLASS DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	

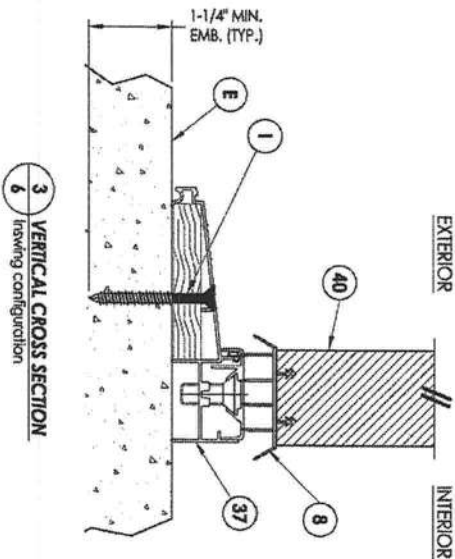
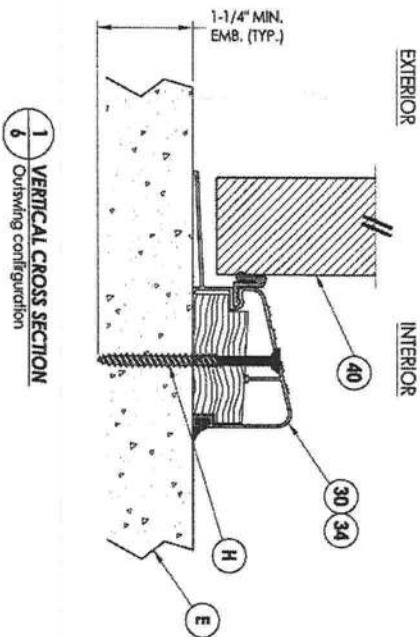
Documents Prepared By:		Lyndon F. Schmidt	
		P.E. No. 43409	
BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595	
		Phone No.: 813.659.9197	
		FBPE Registry No. 6613	



DATE: 02/20/12				PRODUCT:		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.				PLASTPRO INC FIBERGLASS DOOR			
3	7/27/20	UPDATE TO 7TH ED (2020) FBC	LFS	PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK	HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK				
NO.	DATE		BY				
REVISIONS							
DRAWING NO. FL-15220.11							
CHK. BY: LFS							
DATE: 4-8-9							



DATE: 02/20/12		PRODUCT: PLASTPRO INC FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15220.11							
SHEET 5 OF 9							



DATE: 02/20/12				PRODUCT:			
SCALE: N.T.S.				PLASTPRO INC			
DWG. BY: JK				FIBERGLASS DOOR			
CHK. BY: LFS				PART OR ASSEMBLY:			
DRAWING NO.: FL-15220.11				VERTICAL CROSS			
SHEET 6 OF 9				SECTIONS (THRESHOLDS)			
				REVISIONS			
3	7/27/20	UPDATE TO 7TH ED. (2020) FBC	LFS				
2	08/02/17	UPDATE TO 6TH ED. (2017) FBC	JK				
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK				
	NO.	DATE	BY				

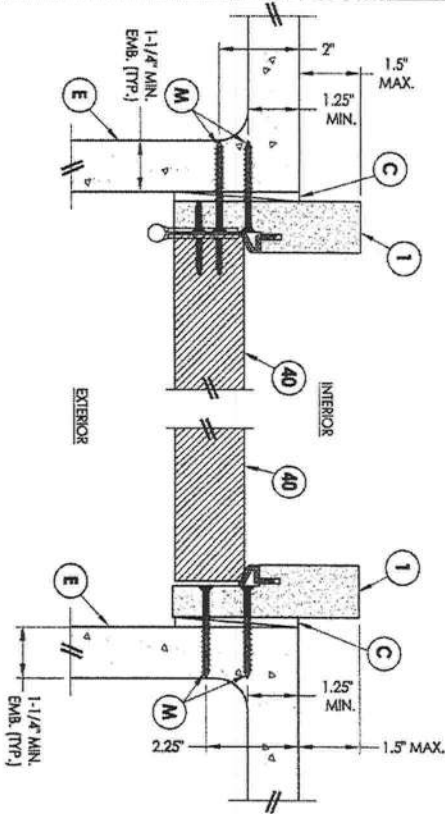
July 27, 2020

Documents Prepared By: Lyndon F. Schmidt
P.E. No. 43409

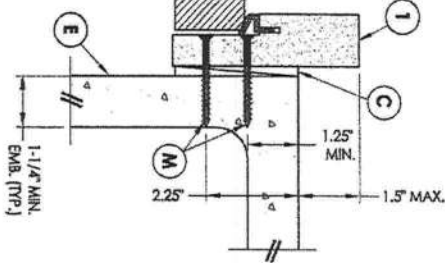
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

L. F. SCHMIDT
LICENSE
No. 43409
★
STATE OF
FLORIDA
★
PROFESSIONAL ENGINEER

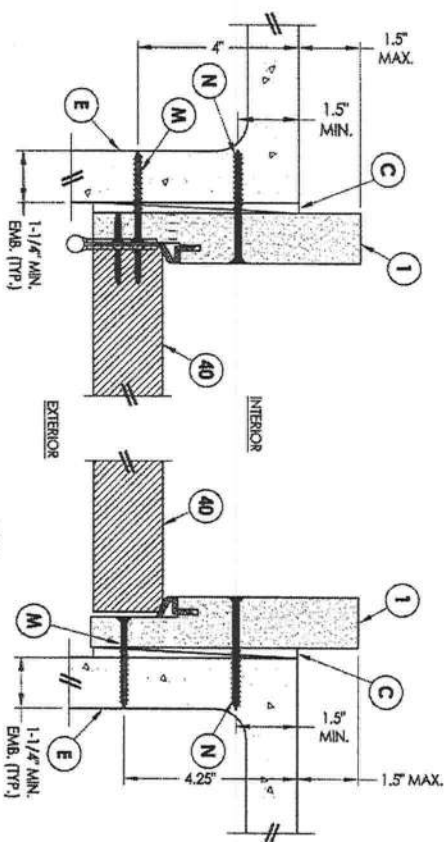
1 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



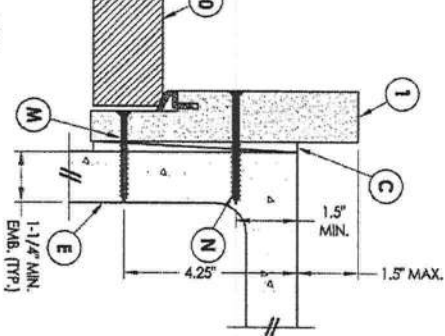
2 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



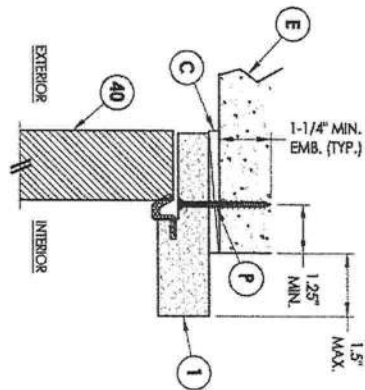
3 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



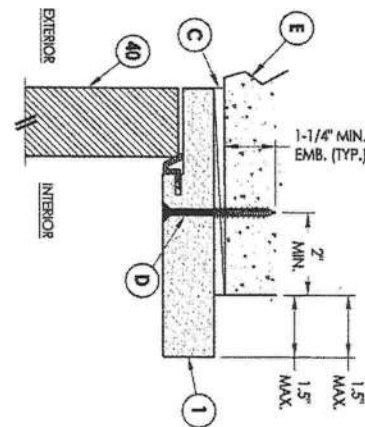
4 HORIZONTAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



5 VERTICAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



6 VERTICAL CROSS SECTION
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



DATE: 02/20/12		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO. FL-15220.11		SHEET 7 OF 9	
3		7/27/20		UPDATE TO 7TH ED (2020) FBC		LFS		JK		BY	
2		08/02/17		UPDATE TO 6TH ED. (2017) FBC		JK		LFS		BY	
1		04/22/15		UPDATE TO 5TH ED. (2014) FBC		JK		LFS		BY	
NO.		DATE									
REVISIONS											
PRODUCT:				PLASTPRO INC FIBERGLASS DOOR				Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
PART OR ASSEMBLY:				HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)				Rw BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

July 27, 2020

STATE OF FLORIDA

PROFESSIONAL ENGINEER

© 2012 R.W. BUILDING CONSULTANTS INC.

