

Account Number Tax Type Tax Year GEO Number
R03761-148 REAL ESTATE 2008 166S01-03761-148
Legal Description (click for full description)
LOT 48 MEADOWLANDS S/D PHASE 3 AG 1053-1811. WD 1111-902. WD 1111-903.

NOTE: ALL ELEVATIONS SHOWN ARE NGVD ELEVATIONS..FINISHED FLOOR ELEVATION SHOWN IS A MINIMUM..... FINISHED FLOOR MUST ALSO MEET SUBDIVISION BLUE TOP MINIMUM, CITY/COUNTY/STATE MINIMUM, AND FLOOD MINIMUM ELEVATION REQUIREMENTS.

ALL DIMENSIONS ARE RELATIVELY ACCURATE IN NATURE, HOWEVER IT IS RECOMMENDED THAT VERIFICATION OF CRITICAL SETBACKS ARE DONE BEFORE WORK IS COMMENCED.

NEW HOME
SQ FT:
LIVING...2392
LANAI...365
PORCH...263
GARAGE...714
TOTAL...3734

DATE: 09.15.09
Draftsman will apply due diligence against errors and omissions, but errors and omissions may occur. Please review your plans, as well as your builder. Trinity Drafting LLC will correct all errors and/or omissions prior to construction without cost. Draftsman's liability limit will not exceed the price of the plans.

TRINITY DRAFTING LLC
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Jody Willis...owner
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PLANT CITY, FL
33563

SITE



REVIEWED FOR STRUCTURE ONLY
I HEREBY CERTIFY THAT I HAVE REVIEWED THE ENGINEER'S PLANS AND SPECIFICATIONS, AND HAVE FOUND IT TO BE IN COMPLIANCE WITH SECTION P-501 OF THE 2007 FLORIDA BUILDING CODE, INCLUDING THE 2008 AND 2009 CODE REVISIONS.

CUSTOMER:
MIKE AND
LAURIE
MORAN

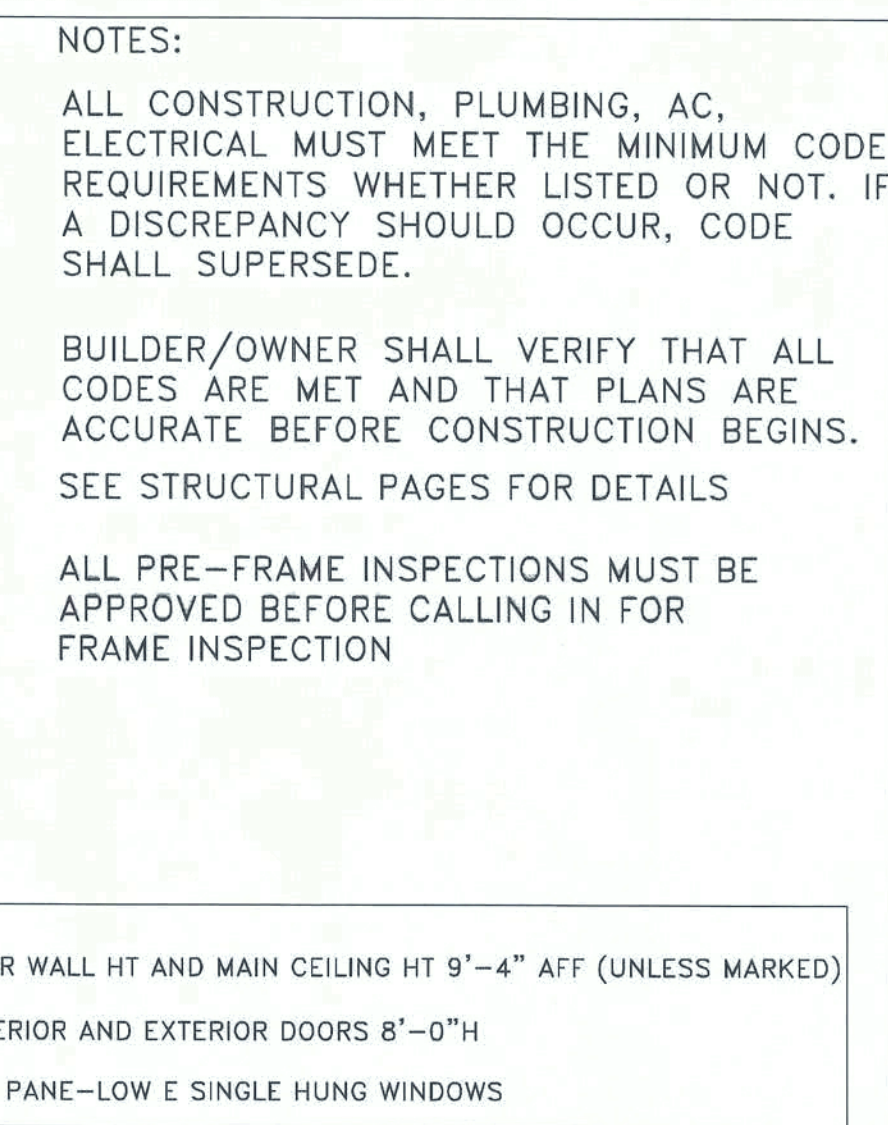
SITEPLAN

LOT SIZE:
5 ACRES

DRAW DATE:
NOTE...PLAN MUST BE
PERMITTED WITHIN 6
MONTHS OF DRAW DATE OR
REVISION FEES MAY APPLY




9/24/09




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33614

DRAW DATE:
NOTE...PLAN MUST BE
PERMITTED WITHIN 6
MONTHS OF DRAW DATE OR
REVISION FEES MAY APPLY

CUSTOMER: MIKE AND LAURIE MORAN	FLOORPLAN
	1" = 4'

PHONE-④ CAN LIGHT ③ HOSE BIB ② FLOOD-LIGHT
TV-⑤ LIGHT ④ RECEPTACLE ③ 220V RECEPTACLE ② MEDICINE CABINET
CEILING FAN ① SWITCH ⑤ SMOKE DETECTOR ④ DOOR BELL ③ BATH FAN/LIGHT
BATH FAN/LIGHT ② BEARING WALLS ① CEILING FAN-LIGHT

1



LEFT ELEVATION



RIGHT ELEVATION

NOTES:

ALL CONSTRUCTION, PLUMBING, AC, ELECTRICAL MUST MEET THE MINIMUM CODE REQUIREMENTS WHETHER LISTED OR NOT. IF A DISCREPANCY SHOULD OCCUR, CODE SHALL SUPERSEDE.

BUILDER/OWNER SHALL VERIFY THAT ALL CODES ARE MET AND THAT PLANS ARE ACCURATE BEFORE CONSTRUCTION BEGINS. SEE STRUCTURAL PAGES FOR DETAILS

ALL PRE-FRAME INSPECTIONS MUST BE APPROVED BEFORE CALLING IN FOR FRAME INSPECTION

NOTES:

EXTERIOR WALL HT AND MAIN CEILING HT 9'-4" AFF (UNLESS MARKED)

ALL INTERIOR AND EXTERIOR DOORS 8'-0" H

DOUBLE PANE-LOW E SINGLE HUNG WINDOWS

PAGES:	STRUCTURAL AND NOA PAGES:
1...FLOORPLAN	S-1
2A...ELEVATION (FRONT/REAR)	S-2 (A,AA,B,C,D,E,F)
2B...ELEVATION (SIDES)	S-3
4...AC-PLUMBING	S-4
5A...ROOF	
5B...CEILING	
5C...TRUSS	
6A...FOUNDATION	
6B...WALLS	
7...ELECTRICAL	
8(A,B,C,ETC)...ADDENDUM PAGE/S(LATE CHANGES)	
NOTE: PAGE 8 MAY OR MAY NOT EXIST (SEE OWNER)	

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I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN, AND HAVE FOUND IT TO BE IN COMPLIANCE WITH SECTION R-301 OF THE 2007 FLORIDA BUILDING CODE, INCLUDING THE 2008 AND 2009 CODE REVISIONS.

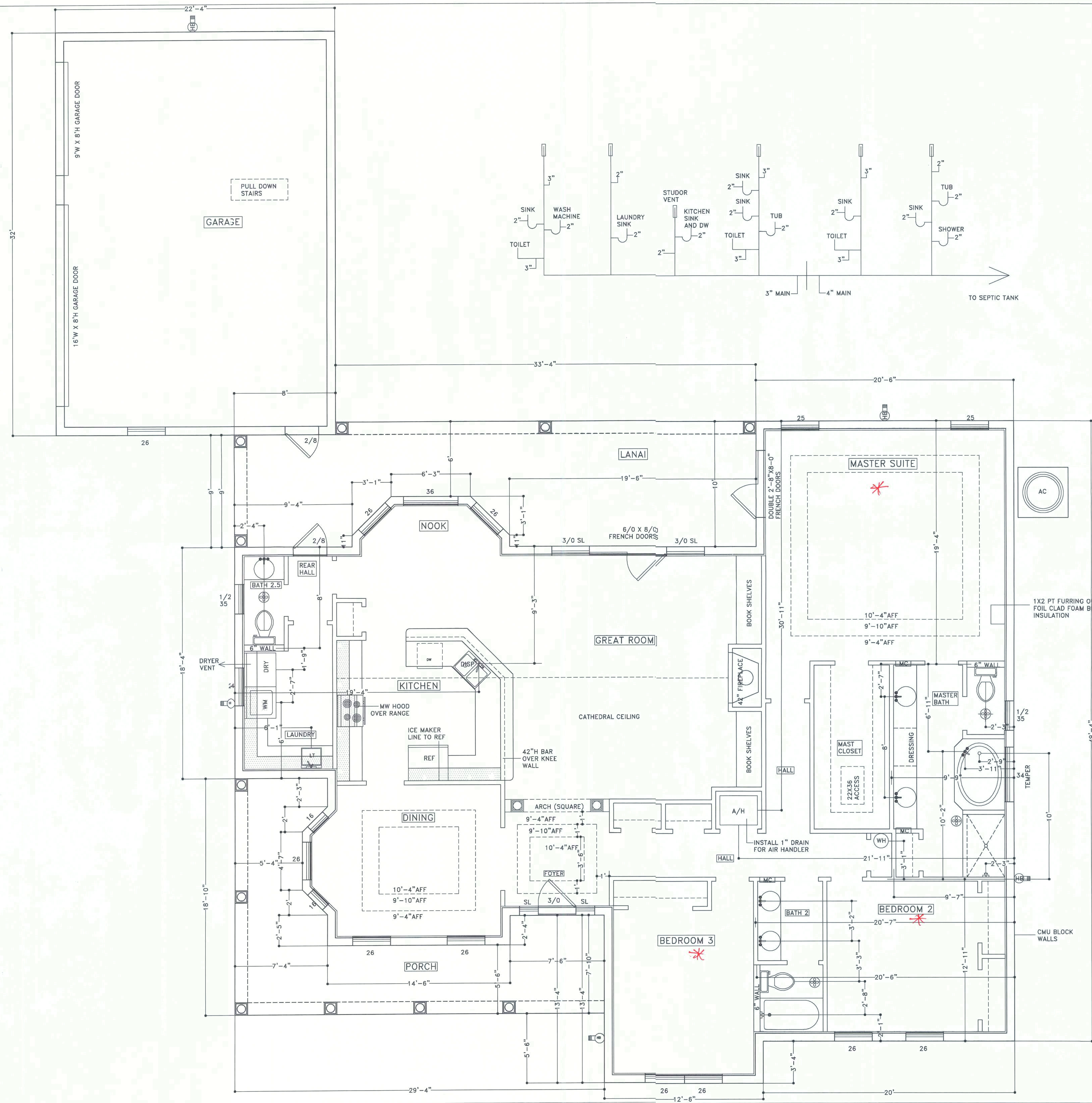
CUSTOMER:
MIKE AND
LAURIE
MORAN

ELEVATION

1" = 4'



#2B



NOTES:

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DOUBLE PANE-LOW E SINGLE HUNG WINDOWS

NOTES:

MECHANICAL PLAN/ENGINEERING AND ENERGY CALCS TO BE SUPPLIED BY A/C COMPANY

PLUMBING LAYOUT TO BE SUPPLIED BY PLUMBING COMPANY

* EMERGENCY EGRESS WINDOWS
PER F.B.C. 2007

SQ FT:
LIVING...2392
LANAI...365
PORCH...263
GARAGE...714

TOTAL...3734

DATE: 09.15.09

PAGES:

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7...ELECTRICAL
8(A,B,C,ETC)...ADDENDUM PAGE/S(LATE CHANGES)
NOTE: PAGE 8 MAY OR MAY NOT EXIST (SEE OWNER)

STRUCTURAL AND NOA PAGES:

S-1
S-2 (A,AA,B,C,D,E,F)
S-3
S-4

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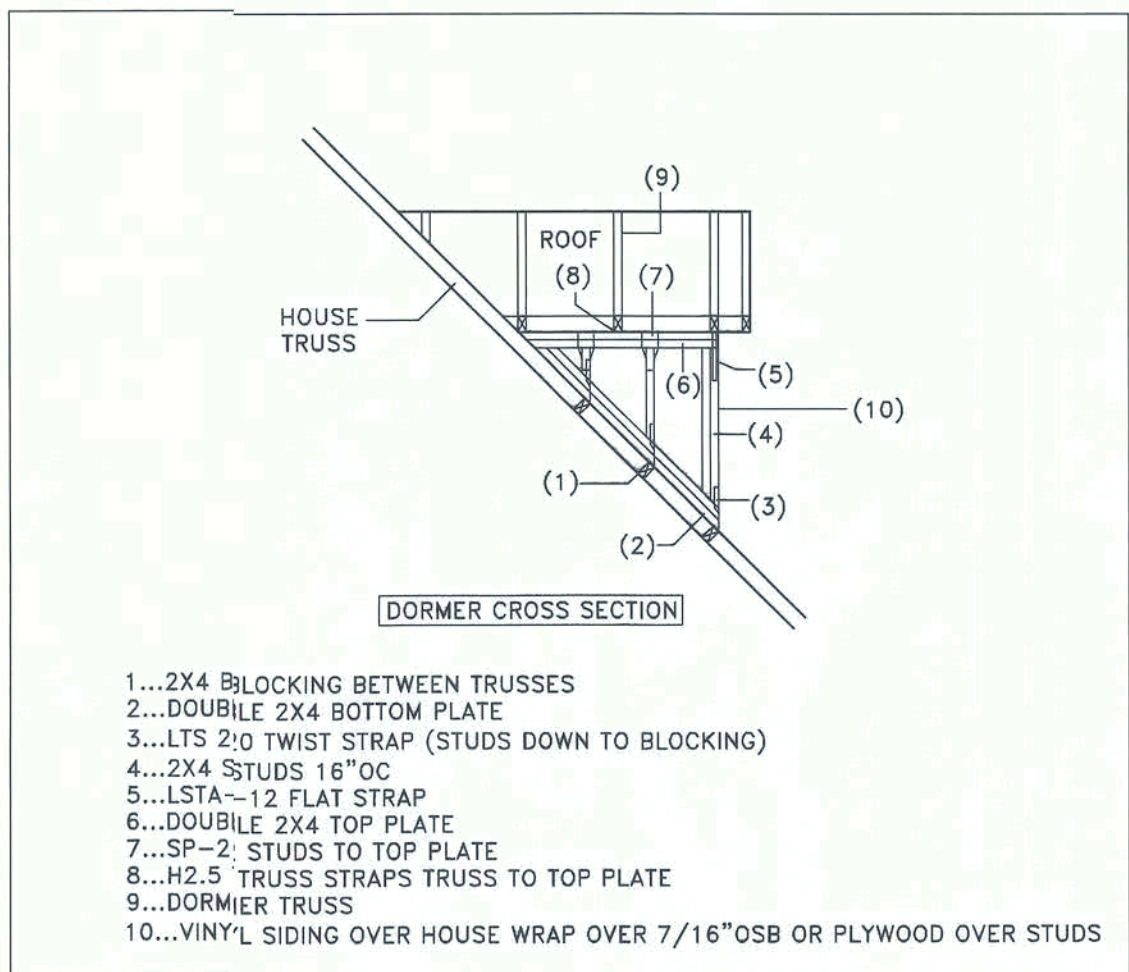
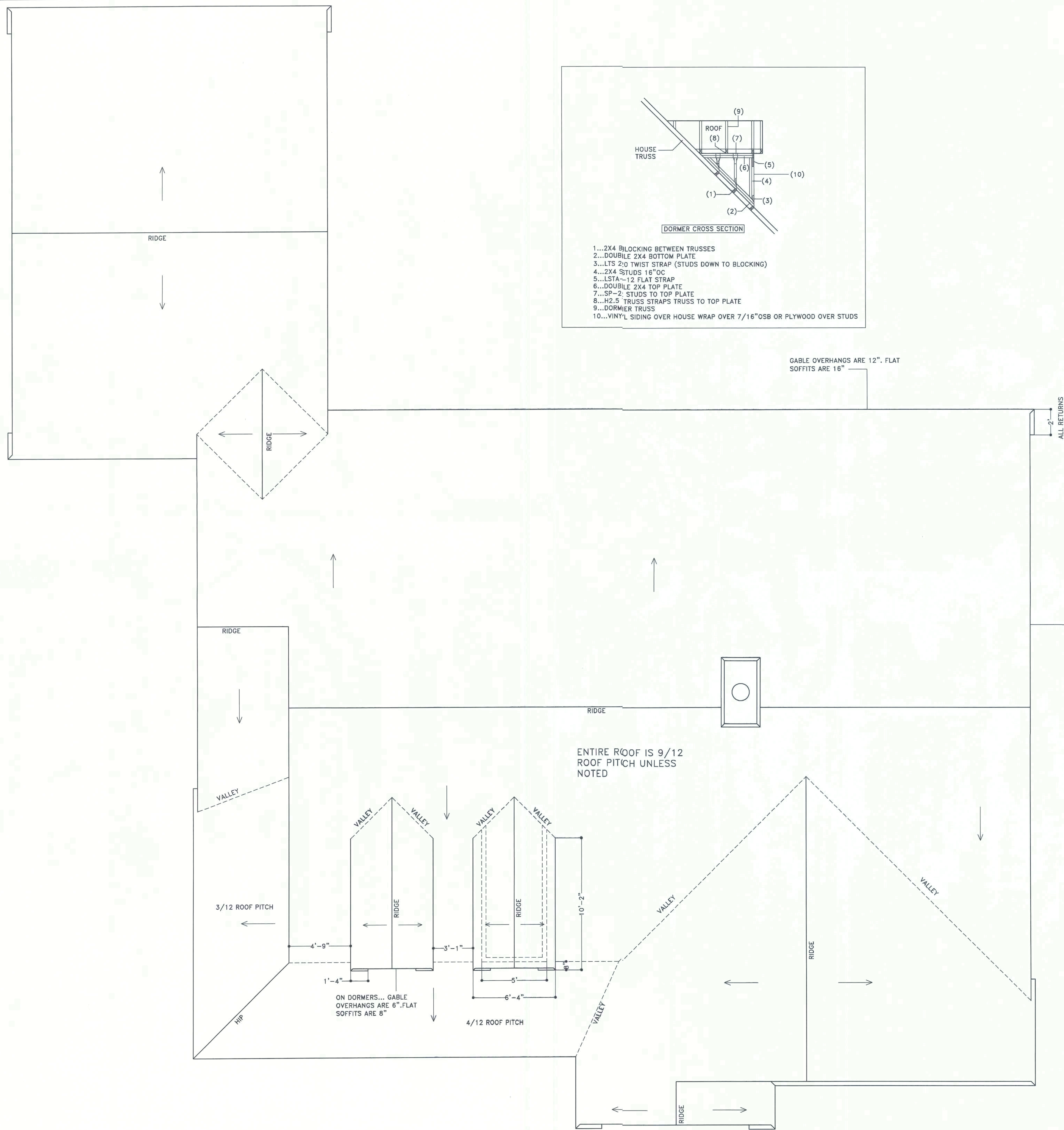
CUSTOMER: AC
MIKE AND LAURIE MORAN

PLUMBING
1" = 4"

DRAW DATE:
NOTE...PLAN MUST BE PERMITTED WITHIN 6 MONTHS OF DRAW DATE OR REVISION FEES MAY APPLY

SCANNED

#4



NOTES:

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ALL INTERIOR AND EXTERIOR DOORS 8'-0" H

DOUBLE PANE-LOW E SINGLE HUNG WINDOWS

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8(A,B,C,ETC)...ADDENDUM PAGE/S(LATE CHANGES)	
NOTE: PAGE B MAY OR MAY NOT EXIST (SEE OWNER)	

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CUSTOMER:

MIKE AND LAURIE MORAN

ROOF

1" = 4'

DRAW DATE:

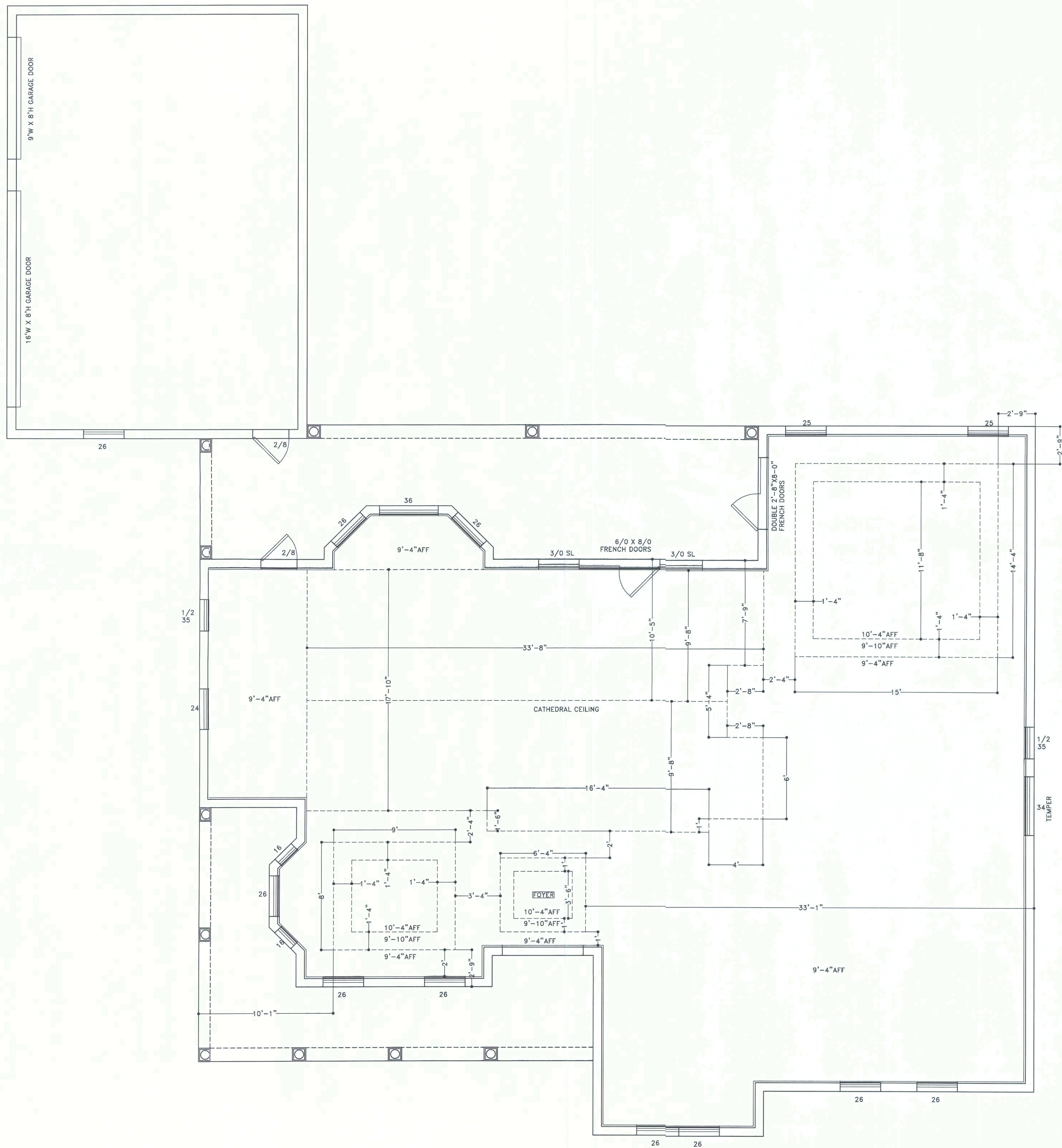
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THESE SYMBOLS MAY ONLY BE USED ON THE PERMANENT TRUSS MANUFACTURER'S, ARCHITECT, ENGINEER, AND/OR BUILDER'S PLANS. ANY OTHER USE IS PROHIBITED. ANY USE BEYOND THESE CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

PHONE	CAN LIGHT	NOSE BIB	FLOOD LIGHT
TV	RECEPTACLE	BATH FAN	MEDICINE CABINET
CEILING FAN	SWITCH	FLUORESCENT RECEPTACLE	
BATH LIGHT	SMOKE DETECTOR	BEARING WALLS	CEILING FAN-LIGHT
	DOOR BELL		

SCANNED

#5A



NOTES:

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SEE STRUCTURAL PAGES FOR DETAILS

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NOTES:

EXTERIOR WALL HT AND MAIN CEILING HT 9'-4" AFF (UNLESS MARKED)

ALL INTERIOR AND EXTERIOR DOORS 8'-0" H

DOUBLE PANE-LOW E SINGLE HUNG WINDOWS

DATE: 09.15.09

- PAGES:
- 1...FLOORPLAN
 - 2A...ELEVATION (FRONT/REAR)
 - 2B...ELEVATION (SIDES)
 - 4...AC-PLUMBING
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 - 5B...CEILING
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- NOTE: PAGE 8 MAY OR MAY NOT EXIST (SEE OWNER)
- STRUCTURAL AND NOA PAGES:
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 - S-3
 - S-4

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THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER LOAD INFORMATION IS SUPPLIED TO THE ENGINEER.

- PHONE
- TV
- CAN LIGHT
- HOSE BIB
- BATH FAN
- RECEPTACLE
- SWITCH
- CEILING FAN
- FLOOD LIGHT
- URINAL
- FLUORESCENT
- 220V RECEPTACLE
- BEARING WALLS
- BELL
- DOOR BELL
- FAN/LIGHT

CUSTOMER:

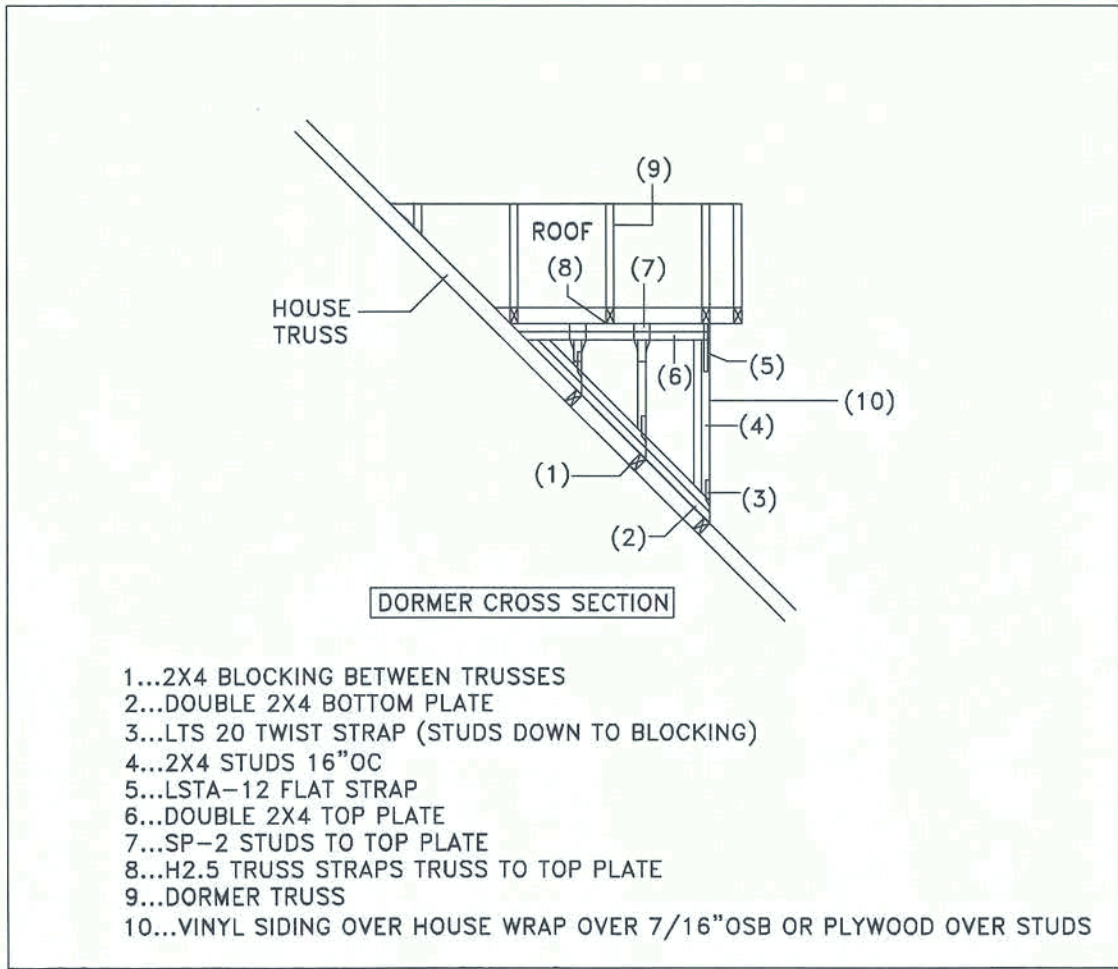
MIKE AND LAURIE MORAN

CEILING

1" = 4'

SCANNED

#5B



NOTES:
EXTERIOR WALL HT AND MAIN CEILING HT 9'-4" AFF (UNLESS MARKED)
ALL INTERIOR AND EXTERIOR DOORS 8'-0"H
DOUBLE PANE-LOW E SINGLE HUNG WINDOWS

NOTES:

MAIN CEILING HEIGHT...

TRUSS PLANS AND ENGINEERING TO BE SUPPLIED BY TRUSS COMPANY

DRAFTSMAN MUST BE NOTIFIED IN WRITING IF BEARING POINTS CHANGE

OVERFRAME SHALL BE ATTACHED TO MAIN TRUSSES. DETAIL TO BE SUPPLIED BY TRUSS MANUFACTURER.

SEE STRUCTURAL PAGES FOR DETAILS

- 1...MGT GIRDER TIE (UPLIFT 3330)USE 5/8" DOWEL EMBEDDED/EPOXIED 5" AND 100 COMMON NAILS
- 2...H-8 TRUSS STRAP (UPLIFT 565)USE 80 COMMON NAILS
- 3...META-20 EMBEDDED TRUSS STRAP (UPLIFT 1500) USE 100 COMMON NAILS
- 4...H-2.5 TRUSS STRAP (UPLIFT 365) USE 80 COMMON NAILS
- 5...EMBEDDED 1/2" J-BOLTS EVERY 32" ON GABLE TRUSS WALL
- 6...PA-28 EMBEDDED TRUSS STRAP (UPLIFT 2815) USE 100 COMMON NAILS
- 7...H-10 TRUSS STRAP (UPLIFT 850) USE 80 COMMON NAILS
- 8...HGT GIRDER TIE (UPLIFT 6485) USE 2(3/4") DOWELS EMBEDDED/EPOXIED 5" AND 100 COMMON NAILS

PAGES:	STRUCTURAL AND NOA PAGES:
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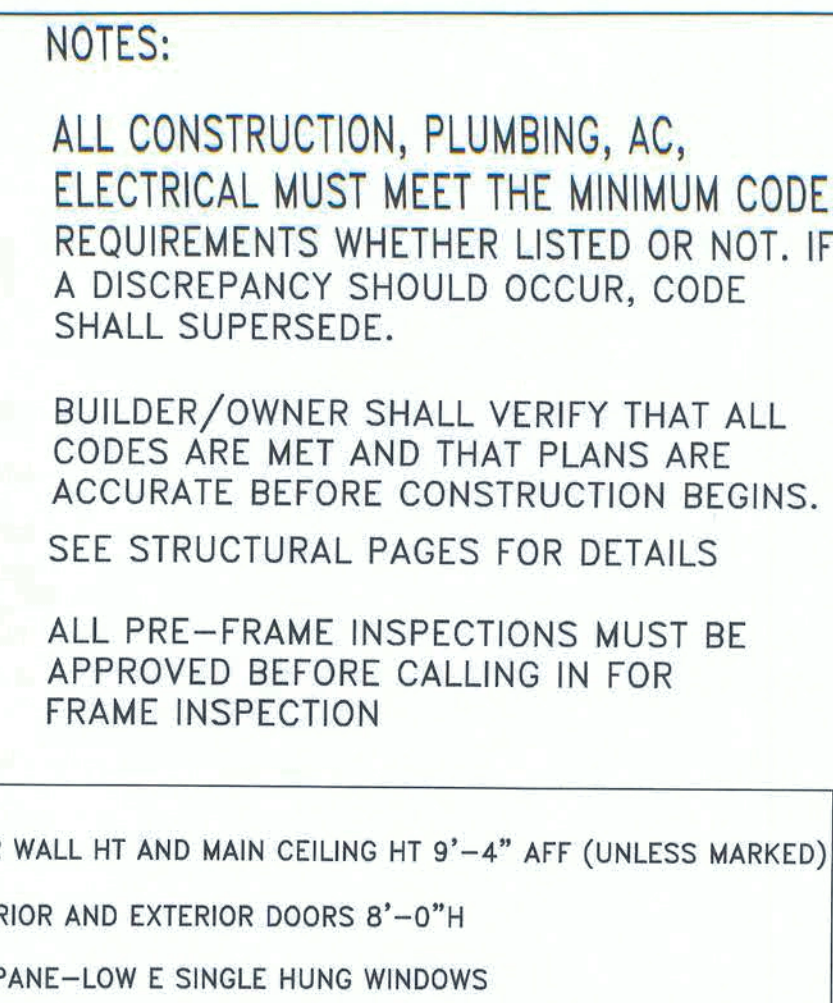
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PLANT CITY, FL
33563

DRAW DATE:
NOTE...PLAN MUST BE
PERMITTED WITHIN 6
MONTHS OF DRAW DATE OR
REVISION FEES MAY APPLY

CUSTOMER: MIKE AND LAURIE MORAN
 I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED TRUSS
 DRAWING AND FOUND IT TO BE IN ACCORDANCE WITH THE
 CODE, INCLUDING THE 2008 AND 2009 CODE REVISIONS.

THE ENGINEER HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY CONDITIONS AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER THE INFORMATION IS SUPPLIED TO THE ENGINEER.

#5C



SQ FT:
LIVING...2392
LANAI...365
PORCH...263
GARAGE...714

TOTAL...3734

DATE: 10.25.09

PAGES:	STRUCTURAL AND NOA PAGES:
1...FLOORPLAN	S-1
2A...ELEVATION (FRONT/REAR)	S-2
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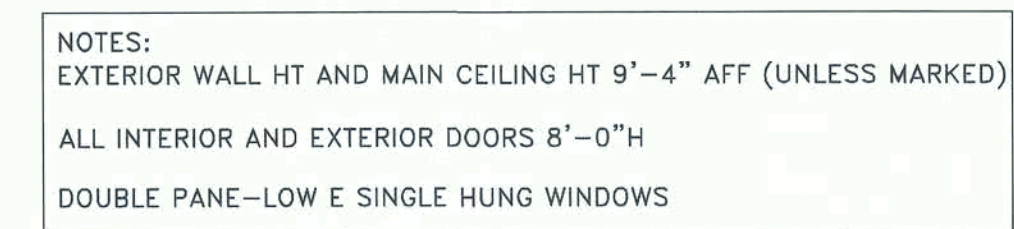
SCANNED

DRAW DATE: _____
NOTE...PLAN MUST BE
PERMITTED WITHIN 6
MONTHS OF DRAW DATE OR
REVISION FEEFS MAY APPLY

CUSTOMER:	ADDENDUM
MIKE AND LAURIE MORAN	PAGE 1'' = 4'

 $1'' = 4'$

#8A



ALL PRE-FRAME INSPECTIONS MUST BE
APPROVED BEFORE CALLING IN FOR
FRAME INSPECTION

SEE STRUCTURAL PAGES FOR DETAILS

SQ FT:
LIVING...2392
LANAI...365
PORCH...263
GARAGE...714

TOTAL...3734

STRUCTURAL AND NOA PAGES:

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Tampa, Florida 33619
Phone #: (813) 333-5413

CUSTOMER: MIKE AND LAURIE MORAN	EXT WALLS	1" = 4'
--	-----------	---------

$$1'' = 4'$$

REVIEWED FOR STRUCTURE ONLY

HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN, AND HAVE FOUND IT TO BE IN COMPLIANCE WITH SECTION R-301 OF THE 2007 FLORIDA BUILDING

THE ENGINEER WAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S LAYOUT TO DETERMINE ANY LOAD BEARING

PHONE (P) CAN LIGHT HOSE BIB FLOOD LIGHT

TV-TV LIGHT
FLOOD-LIGHT
MEDICINE CLOSET
BATH FAN

CEILING
FAN

RECEPTACLE

FLUORESCENT

CABINET

220V
RECEPTACLE

\$ SWITCH

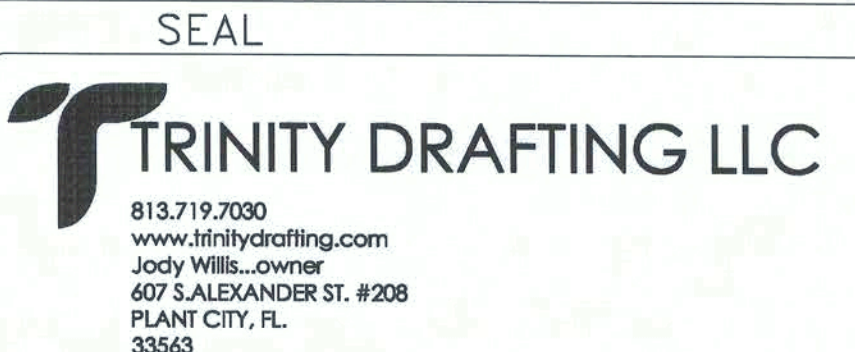
50 SMOKE

BATH
CALL LIGHT
DETECTOR
DOOR BELL
BEARING WALLS
CEILING FAN

FAN/LIGHT

SCANNED

6B



#7

APPROVED PRODUCTS

ALL WINDOWS LOCATED ON THE SECOND OR THIRD FLOORS
MUST BE LOCATED AT LEAST 24" AFF (SILL HT) OR OPERABLE
WINDOW OPENING GUARDS MUST BE USED

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	STATE OF FLORIDA FL# APPROVAL NUMBER	DATE SUBMITTED
ROOFING	ASPHALT SHINGLES			
ROOFING	ASPHALT SHINGLES			
ROOFING	CEMENT	JOHN MANVILLE	644-R3	10.26.07
ROOFING	NON-STRUCTURAL METAL ROOFING	DISCOUNT DIRECT METAL	4541-R1	12.10.08
ROOFING	UNDERLAYMENTS	TAMKO ROOFING PRODUCTS	12328.8	06.09.09
ROOFING	ROOF VENT	GAF MATERIALS CORP.	5027	10.14.08
WINDOWS	CASEMENT			
WINDOWS	FIXED			
WINDOWS	HORIZONTAL SLIDER			
WINDOWS	SINGLE HUNG	FLORIDA EXTRUDERS	9266	10.14.08
WINDOWS	MULLIONS	FLORIDA EXTRUDERS	4063	07.18.08
WINDOWS	FIXED			
WINDOWS	HORIZONTAL SLIDER			
WINDOWS	SINGLE HUNG			
WINDOWS	MULLIONS			
WINDOW AND GLASS PROTECTION	SHUTTERS AND STORM PANELS			
PANEL WALLS	SOFFITS	MITTEN INC.	5212	04.07.09
PANEL WALLS	SIDING	MITTEN INC.	5208	08.11.08
PANEL WALLS	SIDING			
EXTERIOR DOOR	SLIDING GLASS DOORS			
EXTERIOR DOOR	SLIDING GLASS DOORS			
EXTERIOR DOOR	SWINGING			
EXTERIOR DOOR	SWINGING	THERMA TRU	8841	05.07.09
EXTERIOR DOOR	SECTIONAL	WAYNE DALTON	5587	08.18.08
EXTERIOR DOOR	SECTIONAL			
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY TITAN SCREW ANCHORS	2355.1	04.07.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY HOLD DOWNS	10441	09.15.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY TRUSS JACK HANGERS	10444	09.15.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY HURRICANE TIES/STUD-PLATE TIES/GIRDER TIES	10456	09.15.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY JOIST HANGERS	10531	09.15.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY POST ANCHORS/PLATES	10849.1	04.07.09
STRUCTURAL COMPONENTS	WOOD CONNECTORS ANCHORS	SIMPSON STRONG-TIE COMPANY STRAPS	10447	09.15.09
STRUCTURAL COMPONENTS	EPOXY FOR RETRO REBAR AND ANCHORS	ITW RAMSET/REDHEAD	6582.1	05.02.08
STRUCTURAL COMPONENTS	PRECAST WALL PANELS			
STRUCTURAL COMPONENTS	PRECAST UNITS	WEEKS CONCRETE PRODUCTS, INC.	1418-R2	04.21.09
STRUCTURAL COMPONENTS	PRECAST UNITS			

[illegible]

Typical Plumbing Notes

[illegible]

SEAL

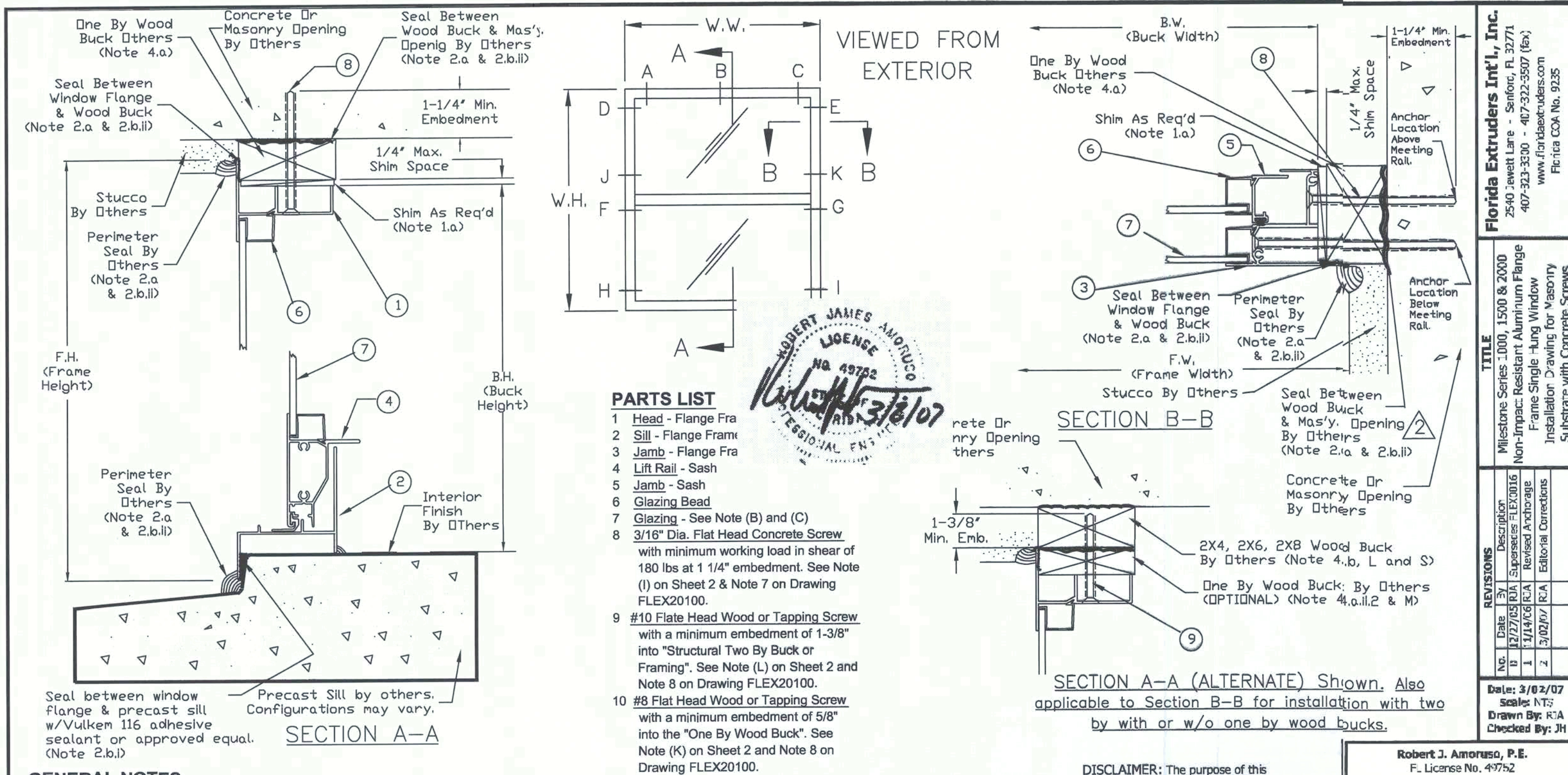
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Eng # 42712
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EGI Inc.
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Suite #A-117
Tampa, FL 33619
Phone...813.333.5413

PLANS HAVE BEEN EXAMINED AND MEET OR EXCEED THE 2007
FLORIDA BUILDING CODE AND 2008/2009 SUPPLIMENTS

TRINITYDR
JODY WILLIS (OWNER)
813-719-7030
607 S.ALEXANDER ST. #208
PLANT CITY, FL. 33563

S-1

FLORIDA EXTRUDERS WINDOWS



FASTENER LOCATION TABLE (see Elevation View)

Size Code	Buck		Concrete Screw Location	
	Width	Height	Head	Jambs
12	18 1/8	25	A, C	D, E, F, G, H, I
13	18 1/8	37 3/8	A, C	D, E, F, G, H, I
14	18 1/8	49 5/8	A, C	D, E, F, G, H, I
145	18 1/8	55 1/4	A, C	D, E, F, G, H, I
15	18 1/8	62	A, C	D, E, F, G, H, I
16	18 1/8	71	A, C	D, E, F, G, H, I, J, K
17	18 1/8	83	A, C	D, E, F, G, H, I, J, K
1H2	25 1/2	25	A, C	D, E, F, G, H, I
1H3	25 1/2	37 3/8	A, C	D, E, F, G, H, I
1H4	25 1/2	49 5/8	A, C	D, E, F, G, H, I
1H45	25 1/2	55 1/4	A, C	D, E, F, G, H, I
1H5	25 1/2	62	A, C	D, E, F, G, H, I
1H6	25 1/2	71	A, C	D, E, F, G, H, I, J, K
1H7	25 1/2	83	A, C	D, E, F, G, H, I, J, K
3H2	29 1/2	25	A, C	D, E, F, G, H, I
3H3	29 1/2	37 3/8	A, C	D, E, F, G, H, I
3H4	29 1/2	49 5/8	A, C	D, E, F, G, H, I
3H45	29 1/2	55 1/4	A, C	D, E, F, G, H, I
3H5	29 1/2	62	A, C	D, E, F, G, H, I
3H6	29 1/2	71	A, C	D, E, F, G, H, I, J, K
3H7	29 1/2	83	A, C	D, E, F, G, H, I, J, K
22	36	25	A, C	D, E, F, G, H, I
23	36	37 3/8	A, C	D, E, F, G, H, I
24	36	49 5/8	A, C	D, E, F, G, H, I
245	36	55 1/4	A, C	D, E, F, G, H, I
25	36	62	A, C	D, E, F, G, H, I
26	36	71	A, C	D, E, F, G, H, I, J, K
27	36	83	A, C	D, E, F, G, H, I, J, K
482	47	25	A, B, C	D, E, F, G, H, I
483	47	37 3/8	A, B, C	D, E, F, G, H, I
484	47	49 5/8	A, B, C	D, E, F, G, H, I
4845	47	55 1/4	A, B, C	D, E, F, G, H, I
485	47	62	A, B, C	D, E, F, G, H, I
486	47	71	A, B, C	D, E, F, G, H, I, J, K
487	47	83	A, B, C	D, E, F, G, H, I, J, K
32	52 1/8	25	A, B, C	D, E, F, G, H, I
33	52 1/8	37 3/8	A, B, C	D, E, F, G, H, I
34	52 1/8	49 5/8	A, B, C	D, E, F, G, H, I
345	52 1/8	55 1/4	A, B, C	D, E, F, G, H, I
35	52 1/8	62	A, B, C	D, E, F, G, H, I
36	52 1/8	71	A, B, C	D, E, F, G, H, I, J, K
37 (Note 1)	52 1/8	83	A, B, C	D, E, F, G, H, I, J, K

Notes:

- Only applicable to Series 2000.

FASTENER INSTALLATION INSTRUCTIONS - FLEX2110

3/16" DIA. CONCRETE SCREW WITH NON-STRUCTURAL ONE BY WOOD BUCK:

(I) Where window is installed in an opening with a non-structural one by wood buck for the head and jambs and masonry or concrete sill, installation is as follows:

- At the head and jambs, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
- At the sill, apply a Structural Adhesive Sealant meeting the requirements of Note 2.b.i on FLEX20100 for the full length of the sill.

(J) See fastener location table sheet for concrete screw locations and any additional installation requirements.

(K) Any remaining factory applied installation fastener hole in the head at location "B" not used for concrete screw installation per the fastener location table shall be filled with a #8 wood screws of sufficient length to provide min. 5/8" embedment into wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.

#10 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK AND OPTIONAL ONE BY WOOD BUCK (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

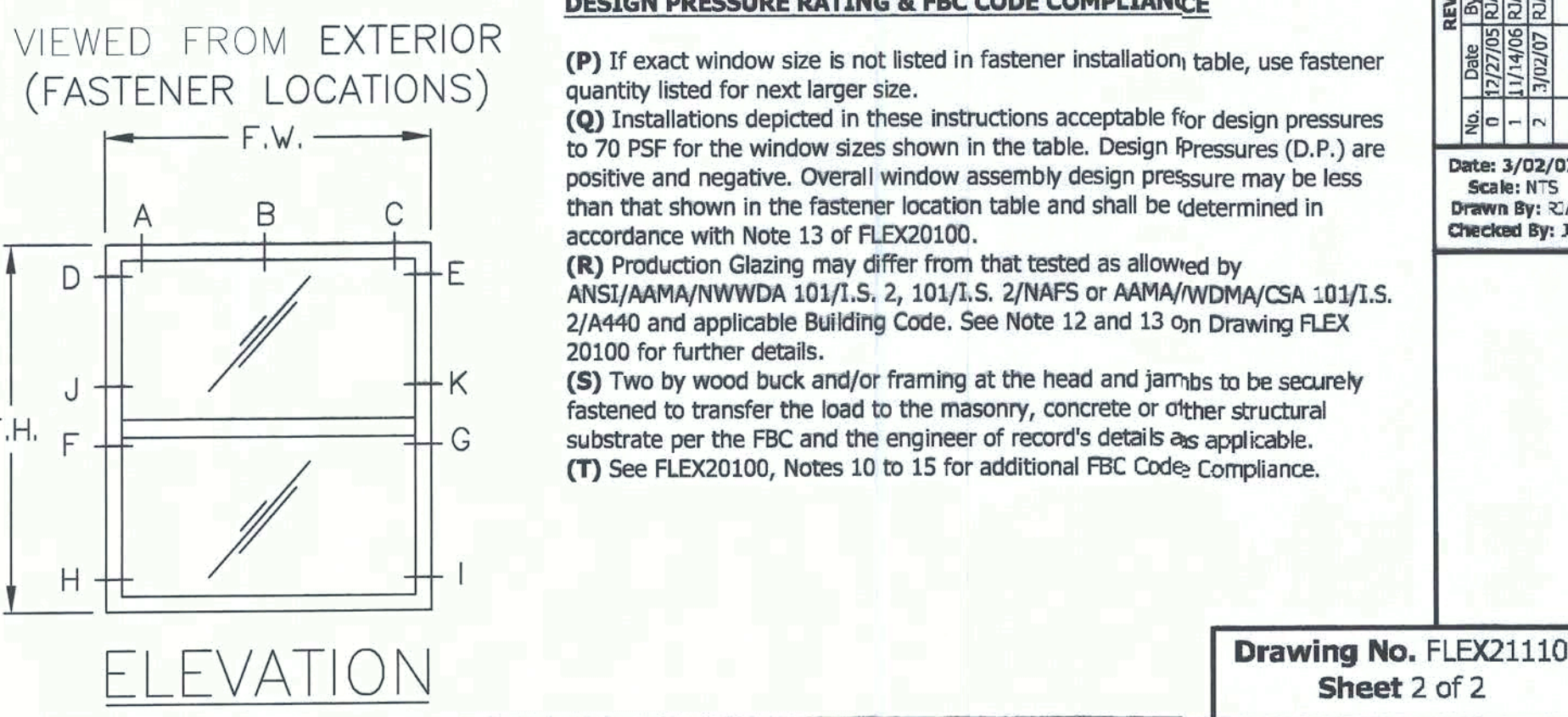
(L) Where window is installed in an opening with a structural two by wood buck for the head and jambs and a masonry or concrete sill, installation is as follows:

- At the head and jambs, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- At the sill, apply a Structural Adhesive Sealant meeting the requirements of Note 2.b.i on FLEX20100 for the full length of the sill.

(M) If a two by and one by wood buck are used together (See Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in Note 4.a.ii.2 on drawing FLEX20100.

(N) #10 wood screws shall be installed at all factory applied installation fastener hole locations.

(O) Wood screws shall not be used to fasten assembly into the end grain of wood.



Drawing No. FLEX2110
Sheet 2 of 2

MASONRY APPLICATION

WAYNE DALTON GARAGE DOORS

Jax Apex Technology, Inc.
 FBPE CA No. 7547
 4745 Sutton Park Circle, Suite 402
 Jacksonville, FL 32224

Florida Extruders Int'l., Inc.
 2540 Sweet Lane - Sanford, FL 32771
 407-332-3330 - 407-332-3307 (fax)
 www.floridextruders.com
 Florida COA No. 9235

Model 5500/9700 series garage doors are used for residential applications with specified allowable wind pressures.

3. SCOPE OF EVALUATION
 Structural Transverse Wind Loads

4. USES
 Model 5500/9700 series garage doors are used for residential applications with specified allowable wind pressures.

5. DESCRIPTION
 General
 Model 5500/9700 series garage doors with option code assemblies listed in Table 1 of this report are 1-5/8-inch thick flush panel sectional doors and are insulated with a foamed-in-place polyurethane foam. The foam insulation is chemically bonded to a facer and backer panel at each steel section to provide a composite section for added strength of the garage door. The facer panel is an exterior skin made of 27 gauge ASTM A563-00 DCS steel. The backer panel is an interior skin constructed of 30 gauge ASTM A563-00 CS Type B steel. Optional stile kits may be added to the exterior skin of each section and are decorative only. Both panels are finished with an ASTM A525-G-40 galvanized steel coating, and are then covered with two coats of polyester paint. Each section is reinforced with 20 gauge caps and connected together with low profile pin resistant hinges. The hinges at each end are double wide 14 gauge with 15 gauge hinge heels. The center hinge is a 15 gauge single wide hinge.

Door Tracks
 All door assemblies listed in this report have both vertical and horizontal tracks ranging from a minimum 18 gauge to minimum 14 gauge, 33 ksi steel and finished with an ASTM A525-G-40 galvanized coating. The vertical tracks are attached to the supporting structure with jamb brackets as specified on the most recent manufacturer's installation instructions/drawings.

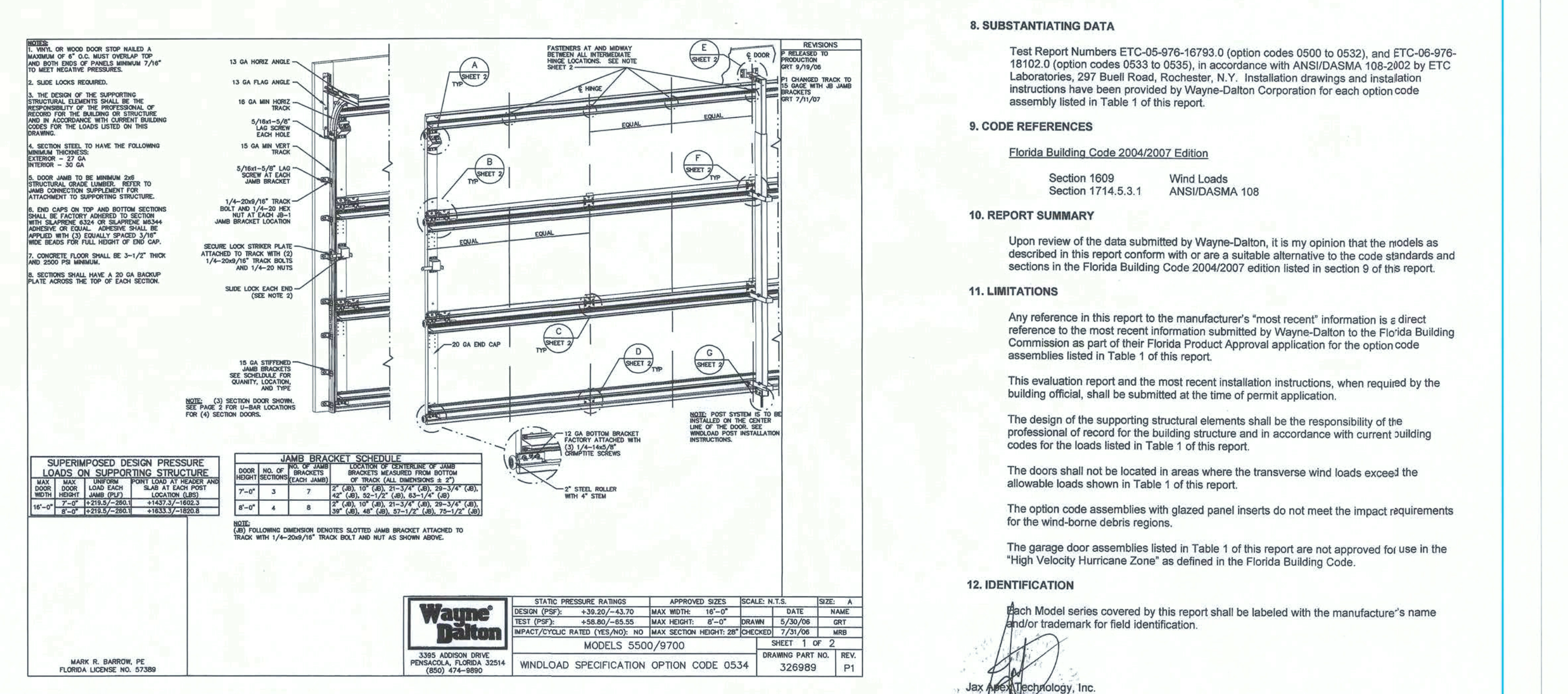
Glazed Sections
 Model 5500/9700 door assemblies are available with minimum 0.125 inch DSB glass windows installed in frames and inserted in the top section only where indicated. The availability and location of the windows is specific for each product assembly. For exact location of glass windows, refer to the most recent manufacturer's installation instructions/drawings provided.

Wind Load Bracing
 All option code assemblies listed in Table 1 of this report are braced on the inside of the doors with three inch horizontal spanning U-bars. Each U-bar is made of either 18-gauge or 20-gauge ASTM A563-00 steel with a minimum yield strength of 80 ksi and are finished with an ASTM A525 minimum G-40 galvanized coating. The gauge and quantity of U-bar braces varies depending on the amount of windward resistance required and the height of the door.

In addition to three-inch horizontal spanning U-bars, some of the option code assemblies listed in Tables 1 and 2 of this report are braced with vertical aluminum posts made up of 0.125-inch thick 6063-T6 aluminum alloy. The post is a telescoping post assembly. The outer member outside diameter is 1.75" wide x 4.00" long. The inner member outside diameter is 1.47" wide x 3.72" long.

Table 1: Allowable Transverse Wind Loads

Windload Specification	Width	Height	Positive Design PSF	Negative Design PSF	Reinforcement	Grazing Available (Yes/No)
0500	9'-0"	8'-0"	12.80	14.80	3" 20 gauge U-bars	No
0501	9'-0"	8'-0"	12.80	14.80	3" 20 gauge U-bars	Yes
0502	9'-0"	8'-0"	22.90	26.30	3" 20 gauge U-bars	No
0503	9'-0"	8'-0"	22.90	26.30	3" 20 gauge U-bars	Yes
0504	9'-0"	8'-0"	26.90	30.80	3" 20 gauge U-bars	No
0505	9'-0"	8'-0"	26.90	30.80	3" 20 gauge U-bars	Yes
0506	9'-0"	8'-0"	31.20	35.80	3" 20 gauge U-bars	No
0507	9'-0"	8'-0"	31.20	35.80	3" 20 gauge U-bars	Yes
0508	9'-0"	8'-0"	35.70	41.00	3" 20 gauge U-bars	No
0509	9'-0"	8'-0"	45.30	51.20	3" 20 gauge U-bars	No
0510	10'-0"	8'-0"	12.80	14.80	3" 20 gauge U-bars	No
0511	10'-0"	8'-0"	12.80	14.80	3" 20 gauge U-bars	Yes
0512	10'-0"	8'-0"	19.20	22.00	3" 20 gauge U-bars	No
0513	10'-0"	8'-0"	19.20	22.00	3" 20 gauge U-bars	Yes
0514	10'-0"	8'-0"	22.90	26.30	3" 20 gauge U-bars	No
0515	10'-0"	8'-0"	22.90	26.30	3" 20 gauge U-bars	Yes
0516	10'-0"	8'-0"	26.90	30.80	3" 20 gauge U-bars	No
0517	10'-0"	8'-0"	26.90	30.80	3" 20 gauge U-bars	Yes
0518	10'-0"	8'-0"	31.20	35.80	3" 20 gauge U-bars	No
0519	10'-0"	8'-0"	31.20	35.80	3" 20 gauge U-bars	Yes
0520	16'-0"	8'-0"	12.40	15.80	3" 20 gauge U-bars	No
0521	16'-0"	8'-0"	15.30	17.00	3" 20 gauge U-bars	No
0522	16'-0"	8'-0"	15.30	17.00	3" 20 gauge U-bars	Yes
0523	16'-0"	8'-0"	18.50	20.70	3" 20 gauge U-bars	No
0524	16'-0"	8'-0"	18.50	20.70	3" 20 gauge U-bars	Yes
0525	16'-0"	8'-0"	20.00	24.50	3" 20 gauge U-bars	No
0526	16'-0"	8'-0"	20.00	24.50	3" 20 gauge U-bars	Yes
0527	16'-0"	8'-0"	25.90	28.80	3" 20 gauge U-bars	No
0528	16'-0"	8'-0"	25.90	28.80	3" 20 gauge U-bars	Yes
0529	18'-0"	8'-0"	18.50	20.70	3" 20 gauge U-bars	No
0530	18'-0"	8'-0"	18.50	20.70	3" 20 gauge U-bars	Yes
0531	18'-0"	8'-0"	22.00	24.50	3" 20 gauge U-bars	No
0532	18'-0"	8'-0"	22.00	24.50	3" 20 gauge U-bars	Yes
0533	18'-0"	8'-0"	30.00	33.50	3" 20 gauge U-bars + (1) Aluminum Post	No
0534	18'-0"	8'-0"	30.00	33.50	3" 20 gauge U-bars + (1) Aluminum Post	Yes
0535	18'-0"	8'-0"	30.00	33.50	3" 20 gauge U-bars + (1) Aluminum Post	No



GAF ROOF VENT

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 168
MIAMI, FLORIDA 33135-156
(305) 375-2901 FAX (305) 375-2926

NOTICE OF ACCEPTANCE (NOA)

LL Building Products, Inc.
295 McKay Road
Burgaw, NC 28425

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of its applicable building code.

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

DESCRIPTION: AR-10 Ridge Vent

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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.

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

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

This NOA renews NOA No. 07-0418.01 and consists of pages 1 through 3.
The submitted documentation was reviewed by Jorge L. Acebo.

NOA No.: 07-1012.0
Expiration Date: 07/17/12
Approval Date: 02/14/08
Page 1 of 3

MIAMI-DADE COUNTY
APPROVED

ROOFING SYSTEM APPROVAL

Category: Roofing
Sub-Category: Ventilation
Material: Aluminum

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
AR10 Ridge Vent	1.71" height 8" width 10" length 0.025" Min. embossed thickness	TAS 100(A)	Aluminum static louvered roof ventilation system

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Description	Date
Center for Applied Engineering, Inc.	MDC-106	TAS100(A)	Feb. 1995
Celotex Corporation Testing Services	520128-3	TAS 100(A)	Jan. 1999
PRI Construction Material Technologies	LLB-015-02-01	TAS 100(A)	08/01/07

GENERAL LIMITATIONS:

- Refer to applicable Building Code for required ventilation.
- AR10 Ridge Vent. Shall comply with applicable building code.
- AR10 Ridge Vent shall not be installed on roof mean heights greater than 33 feet.
- AR10 Ridge Vent shall comply with 1517.6 of the Florida Building Code (FBC)

NOA No.: 07-1012.0
Expiration Date: 07/17/12
Approval Date: 02/14/08
Page 2 of 3

MIAMI-DADE COUNTY
APPROVED

APPROVED ASSEMBLIES:

Trade name: AR10 Ridge Vent
System Type C: Mechanical attachment of static vent over composite shingles.
Cutout: Refer to manufacturer's published literature
Installation: Install end plug on the end of the vent sealed with 100% silicone sealant. AR10 Aluminum Ridge Vent shall be 4" longer than ventilation slot as to provide a base for the end plug.
Apply 1/4" wide bead of 100% silicone sealant caulk to the bottom flange of the AR10 Aluminum Ridge Vent sections close to where roof hole will be after vent is installed. Align end of first section on the end marks and the bottom of the nailing flange on the chalk line (4" down on both side of the ridge peak). Nail the AR10 Aluminum Ridge Vent in place using 1 1/2" aluminum ring shank roofing nails 12" o.c., with the first nail 1 1/2" to 2" from the vent end. All nail heads and vent section joints shall be sealed with 100% silicone sealant.
Install LL Building Products, Inc. High Wind Straps over each end of ridge vent, all connections between sections, and at 3' intervals over the remainder of the vent using four 1 1/2" aluminum ring shank-roofing nails per strap.

Ventilation Calculations: Refer to manufacturer's published literature
Minimum Slope: 2:12

DETAIL



AR10 Ridge Vent

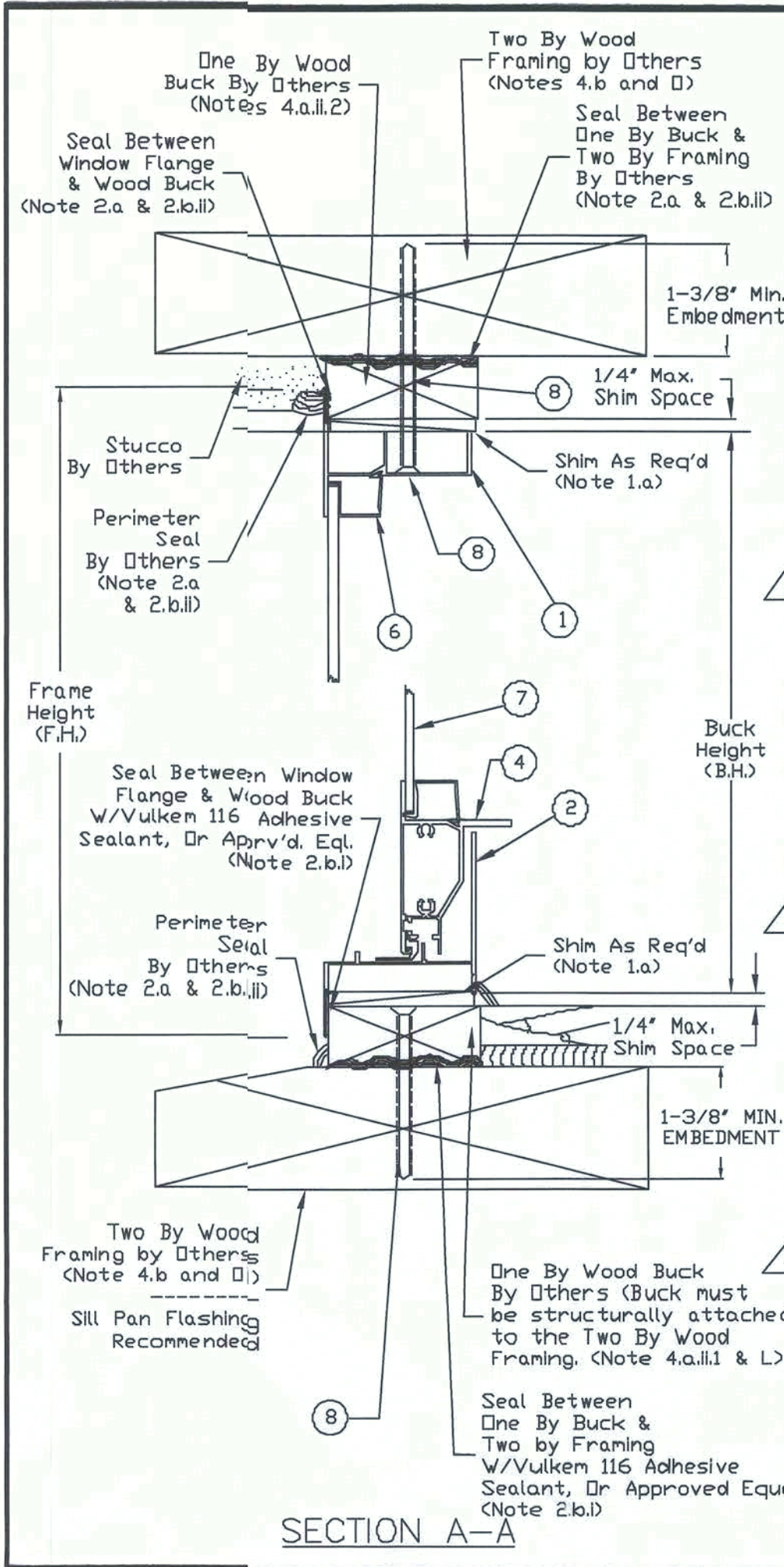
END OF THIS ACCEPTANCE

NOA No.: 07-1012.0
Expiration Date: 07/17/12
Approval Date: 02/14/08
Page 3 of 3

MIAMI-DADE COUNTY
APPROVED

MIAMI-DADE COUNTY
APPROVED

FLORIDA EXTRUDERS WINDOWS



GENERAL NOTES

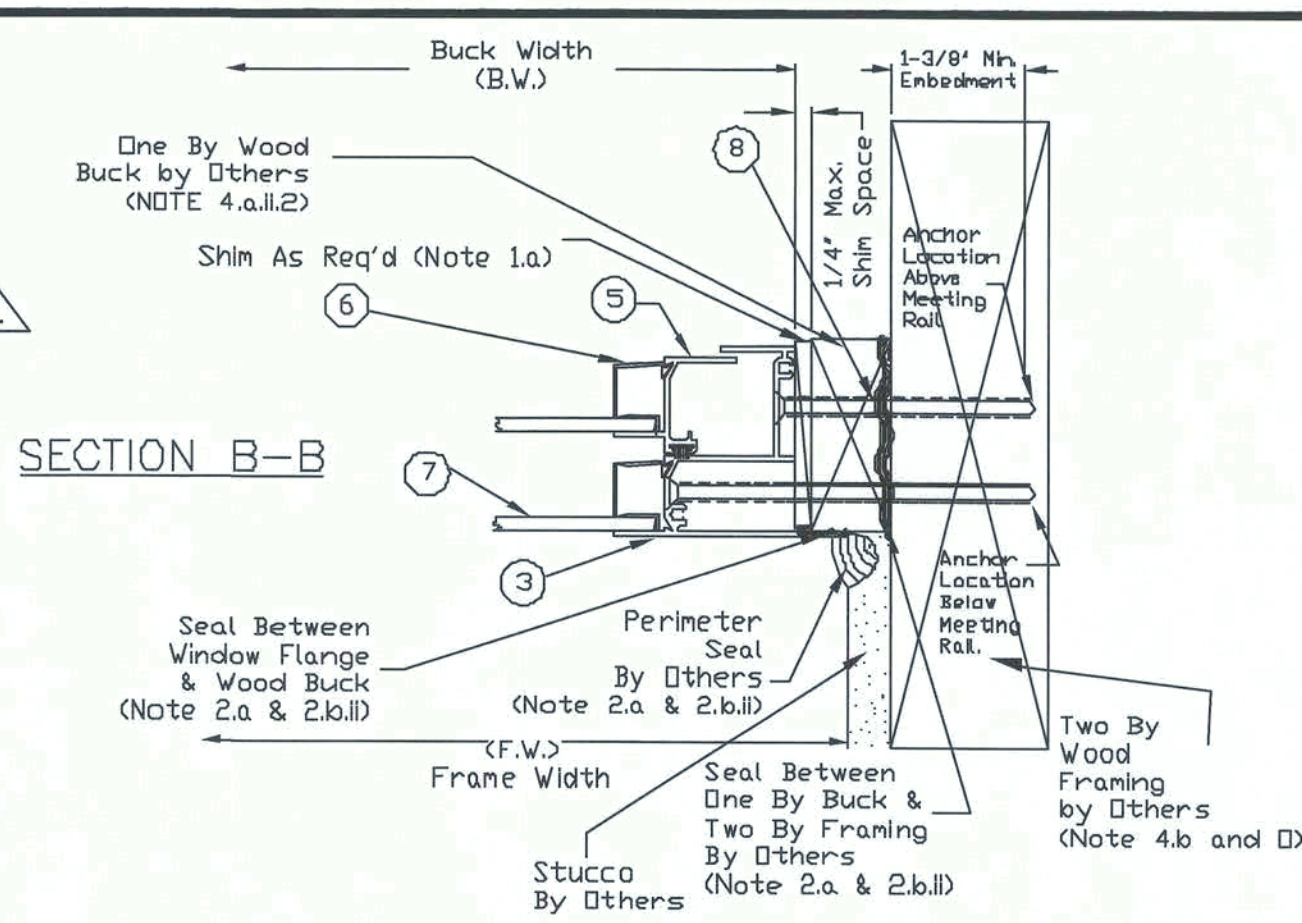
- (1) to (15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
- (A) Milestone Series 1000 Single Hung Aluminum Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung Aluminum Windows.
- (B) Drawing applicable to Non-Impact Resistant glazed windows.
- (C) Production drawing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/115, 2, 101/115, 2 NAFS or AAMA/NWMA/CSA 101/115, 2/NAF-2 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (D) For Fastener Installation Requirements, see Notes H thru L of this drawing. See Note (F) regarding deviations.
- (E) Worst or loading screw edge distance measured from edge of wood or concrete or masonry or fastener screw must meet or exceed "L" Minimum edge and embedment per Ferts List. See Note (F) regarding deviations.
- (F) Any deviation less than the minimum requirements stated must be approved by the manufacturer or engineer by "Sill or Design Professional" in accordance with the applicable Building Code and Product Approval.

FASTENER INSTALLATION INSTRUCTIONS - FLEX21111

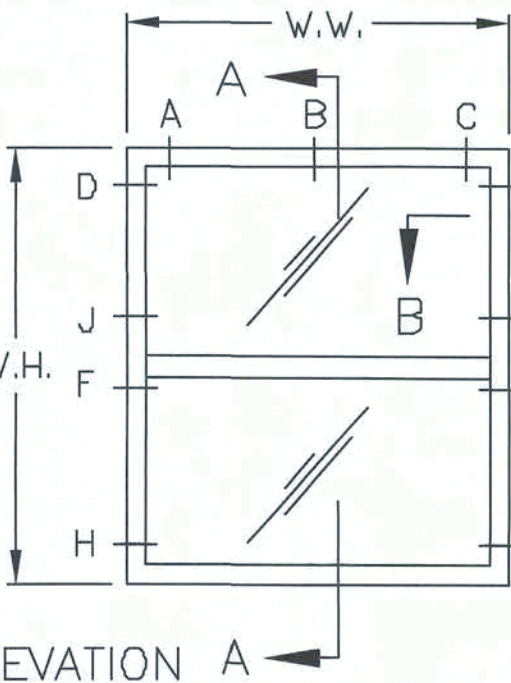
- (G) Not Used.
- (H) #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the structural framing components at the head and jamb as follows:
a) Frame or sash by wood buck attached to structural two by wood framing (Note 4.a.ii.2).
b) Frame or two by wood buck structurally attached to structural two by wood framing (not shown) per Note 4.a.ii.1.
c) Frame on structural two by wood framing (not shown).
- (I) #10 wood screws shall be installed at all factory applied installation fastener hole locations in the frame.
- (J) Wood screws shall not be used to fasten assembly into the end grain of wood.
- (K) Frame sill will be sealed with Vulkem 116 or approved equal in accordance with Note 2.b.ii.
- (L) One by wood buck at sill must be structurally attached to the two by wood framing as follows. Install a minimum of four (4) #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the structural framing components at a location +/- 12" (-/+ 1") from each end of the window sill frame and at two (2) locations evenly spaced (+/- 1") between the end fasteners along the window sill's width.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (M) Installations designed in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the table or FLEX21111. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 12 of FLEX20100.
- (N) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/115, 2, 101/115, 2 NAFS or AAMA/NWMA/CSA 101/115, 2/NAF-2 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details as applicable.
- (O) Structural two by wood buck and/or framing at the head, sill and jamb to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.
- (P) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.



DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., wood screws, tapping screws and Vulkem Structural Adhesive (or other approved equal), as applicable) to achieve the design pressure specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2004 FBC-Building, Section 1714.5.4 and the 2004 FBC-Residential, Section R615.6. Recommendations regarding fastening, sealing, fasteners or other joint sealant products does not constitute a warranty either expressed or implied.



VIEWED FROM EXTERIOR

To be used for installations up to 70 PSF Design Pressure using #10 Wood Screws in all factory supplied installation holes in the frame (Locations A thru K as applicable). Sill to be secured as shown.

PARTS LIST

- 1 Head - Flange Frame
- 2 Sill - Flange Frame
- 3 Jamb - Flange Frame
- 4 Lift Rail - Sash
- 5 Jamb - Sash
- 6 Glazing Gasket
- 7 Glazing - See Note (B) and (C)
- 8 #10 Flat Head Wood or Tapping Screw with a minimum embedment of 1-3/8" into "Structural Two By Wood Buck or Framing". See Note (O) on this drawing and Note 8 on Drawing FLEX20100.

Robert J. Amoroso, P.E.
FL License No. 45752
Drawing No. FLEX21111
Sheet 1 of 1

TITLE	Florida Extruders Int'l., Inc. 2000 Milestone Series 1000, 1500 & 2000 Single Hung Aluminum Windows Non-Impact Resistant Aluminum Fenestration Frame Single Hung Window Installation Detail for Wood Substrate with Wood Screws
REVISIONS	DATE BY DESCRIPTION 1 11/14/06 JLA Revised 1.13.2006
Drawn By: JLA Checked By: JII	

KEYSTONE

CERTIFICATION AUTHORIZATION REPORT	
Product: FRM B1-02	Revision: 4
Material: FRM B1-02	Test: 1

FMA Keystone Certification Program

Certification Authorization Report	
CAR & Product ID Number:	279 - 131
Issue Date:	11/10/2006
Revision Date:	11/10/2006
Expiration Date:	10/12/2010
Company Code:	279

The Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review of the product qualification documents for the product named below. This report is only valid when signed by an officer of KCI and indicates the product as manufactured by the company named below has been tested and meets the requirements of the referenced standard and is eligible for the application of FMA Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com.

Company Information:	Product Information:
Florida Extruders International, Inc. 2540 Jewett Lane Sanford FL 32771-1600	Model: Milestone 2000 Alum Onel SH w/ Std Sill Operator Type: H Configuration: No Max Width: 82 Max Height: 90
Referenced Standard: AAMA/WDMA/CSA 101/102/440-05	Product Rating: HLCA45 1324x2296 (50x80)
Qualifying Test Information: Test Report No: NCTL-210-3302-2 Test Report Expiration: 10/12/2010	

Authorized Signature:

Keystone Certifications, Inc.
1790 Old Trail Road, Suite D
Ebens, Pennsylvania 17319
Phone: 717-932-6500
Fax: 717-932-6501

www.keystonecerts.com

REVIEWED FOR STRUCTURE ONLY

SEAL

Williams Roberts
Eng # 42712
EBC#, EB28612
EGI Inc.
333 Faulkenburg, Rd.
Suite #A-117
Tampa, FL 33619
Phone: .813.333.5413

PLANS HAVE BEEN EXAMINED AND MEET OR EXCEED THE 2007 FLORIDA BUILDING CODE AND 2008/2009 SUPPLIMENTS



TRINITYDRAFTING.COM

JODY WILLIS (OWNER)
813-719-7030
607 S.ALEXANDER ST. #208
PLANT CITY, FL. 33563

S-2AA



BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	11 BLACK SS 55 x 0.55	WOOD
2	2X BLACK SS 55 x 0.55	WOOD
3	MAX. 1/4" JAMB SPACE	WOOD
4	1/4" X 3.5/8" PIN IN BLOCK CONCRETE SCREW	STEEL
5	MASONRY - 3.192 PSI MIN. CONCRETE CONFORMING TO AC 308 OR SLOW-BLOCK CONFORMING TO ASTM C90	CONCRETE
6	1/4" X 3.1/4" TW CONCRETE SCREW	STEEL
7	3/8" X 3.1/4" PIN IN TW CONCRETE SCREW	STEEL
8	1/4" X 3.1/4" PIN IN TW CONCRETE SCREW	STEEL
9	1/4" X 3.1/4" PIN IN TW CONCRETE SCREW	STEEL
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45	1/4" X 3.1/4" PIN IN TW CONCRETE SCREW	STEEL
46	1/4" X 3.1/4" PIN IN TW CONCRETE SCREW	STEEL

Approved Aspects By:
 Project Manager: _____
 Date: _____
 Checked By: _____
 Date: _____
 Drawn By: _____
 Date: _____

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 DATE OF REVISION _____
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BRICK ANCHORING

Side Elevation: Shows a masonry opening with a 2x6 buck. Callouts include: MASONRY OPENING, TIP-HEAD & JAMBS (SEE NOTE 1), 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

Cross-Section: Shows the brick anchoring detail with dimensions: 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

FRAME ANCHORING

Side Elevation: Shows a masonry opening with a 2x6 buck. Callouts include: MASONRY OPENING, TIP-HEAD & JAMBS, 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

Cross-Section: Shows the frame anchoring detail with dimensions: 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

WINDOW JAMB ANCHORING

Side Elevation: Shows a masonry opening with a 2x6 buck. Callouts include: MASONRY OPENING, TIP-HEAD & JAMBS, 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

Cross-Section: Shows the window jamb anchoring detail with dimensions: 11 1/2" MAX. ON CENTER, 30x30", 1.5", 11 1/2" MAX. ON CENTER, 2x6 BUCK.

NOTES

- 1/4" Epc Concrete screw anchoring 2x6 buck require a minimum 1" clearance to masonry edges, a 1-1/4" minimum embedment depth a minimum 4" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations of the corners may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to assure the maximum on center dimension is not exceeded.
- 1/4" Epc concrete screws anchoring frame and/or sill require a minimum 3/4" clearance to masonry edges, a 1-1/4" minimum embedment and a maximum 3" clearance to adjacent concrete screws. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations of the corner may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to assure the maximum on center dimension is not exceeded.

HINGE DETAIL

Side Elevation: Shows a hinge detail with callouts: 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.

LATCH & DEADBOLT DETAIL

Side Elevation: Shows a latch and deadbolt detail with callouts: 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.

STAKE JAWS

FRAME ANCHORAGE
Masonry Hinge Connection

HINGE JAW

LATCH & DEADBOLT DETAIL

HINGE DETAIL

NOTES:

- 1-1/4" TH concrete screws anchoring frame and/or all require a minimum 2-1/2" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 2" clearance to adjacent concrete surfaces. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If Concrete screw locations noted as BALK ON CENTER must be adjusted to maintain the minimum edge distance to mortar joints, additional Concrete screws may be required to ensure the minimum on center dimension is not exceeded.
- 3/16" TH concrete screws anchoring frame and/or all require a minimum 2-5/8" clearance to masonry edges, a 1-1/4" minimum embedment and a minimum 2-1/4" clearance to adjacent concrete surfaces unless otherwise noted by concrete screw manufacturer.

REVISIONS:

NO.	DATE	DESCRIPTION
1	4/24/14	REVISED FOR 1/2" TH CONCRETE SCREWS
2	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
3	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
4	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
5	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
6	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
7	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
8	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
9	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
10	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
11	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
12	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
13	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
14	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
15	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
16	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
17	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
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23	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
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71	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
72	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
73	11/1/14	REVISED FOR 1/2" TH CONCRETE SCREWS
74	11/1/14	REVISED FOR 3/16" TH CONCRETE SCREWS
75		

ASTM E84-00

Conditioning:
Condition specimens to a constant weight at the temperature and humidity stated below:
73.4±5°F
50±5%RH

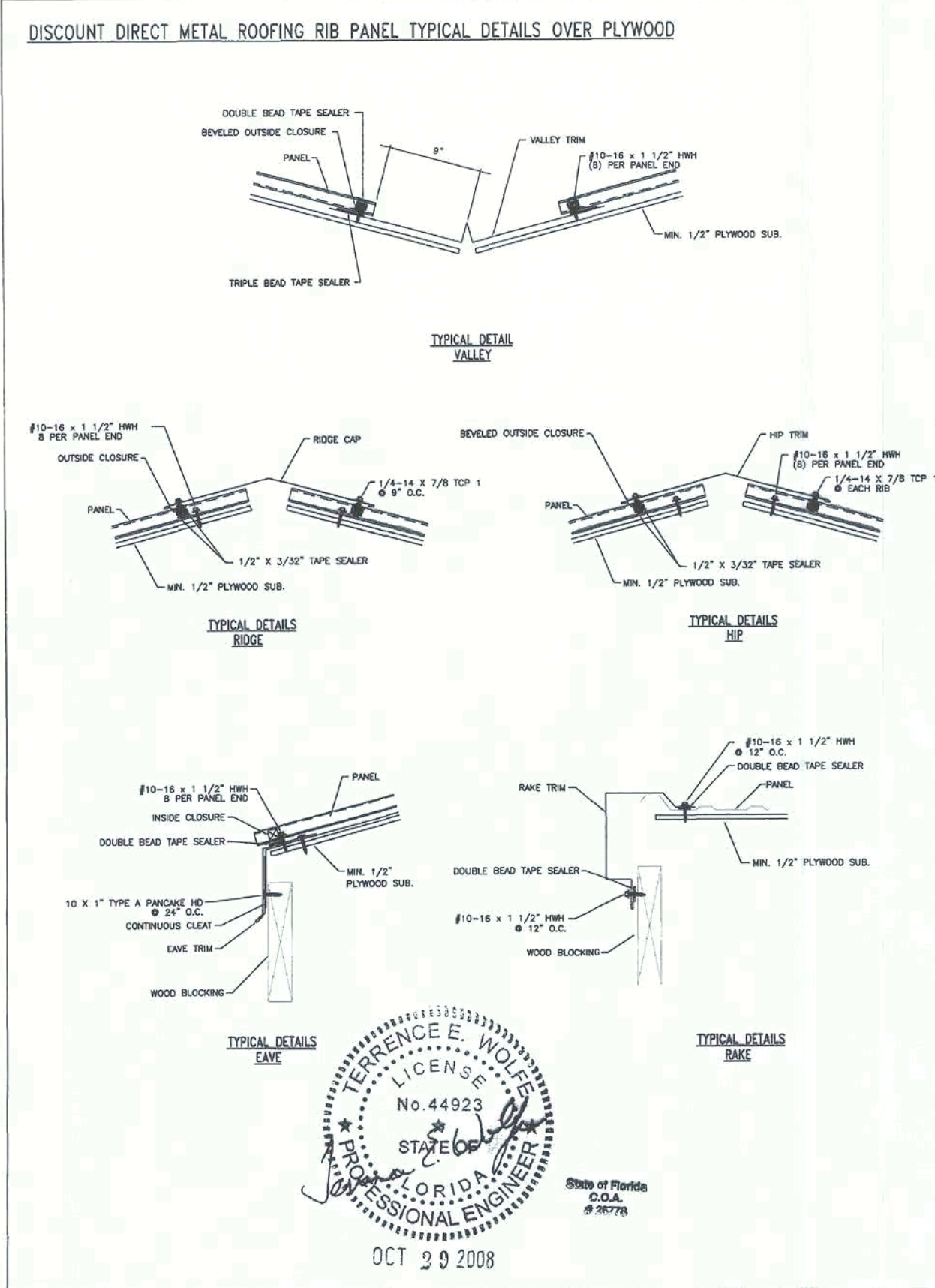
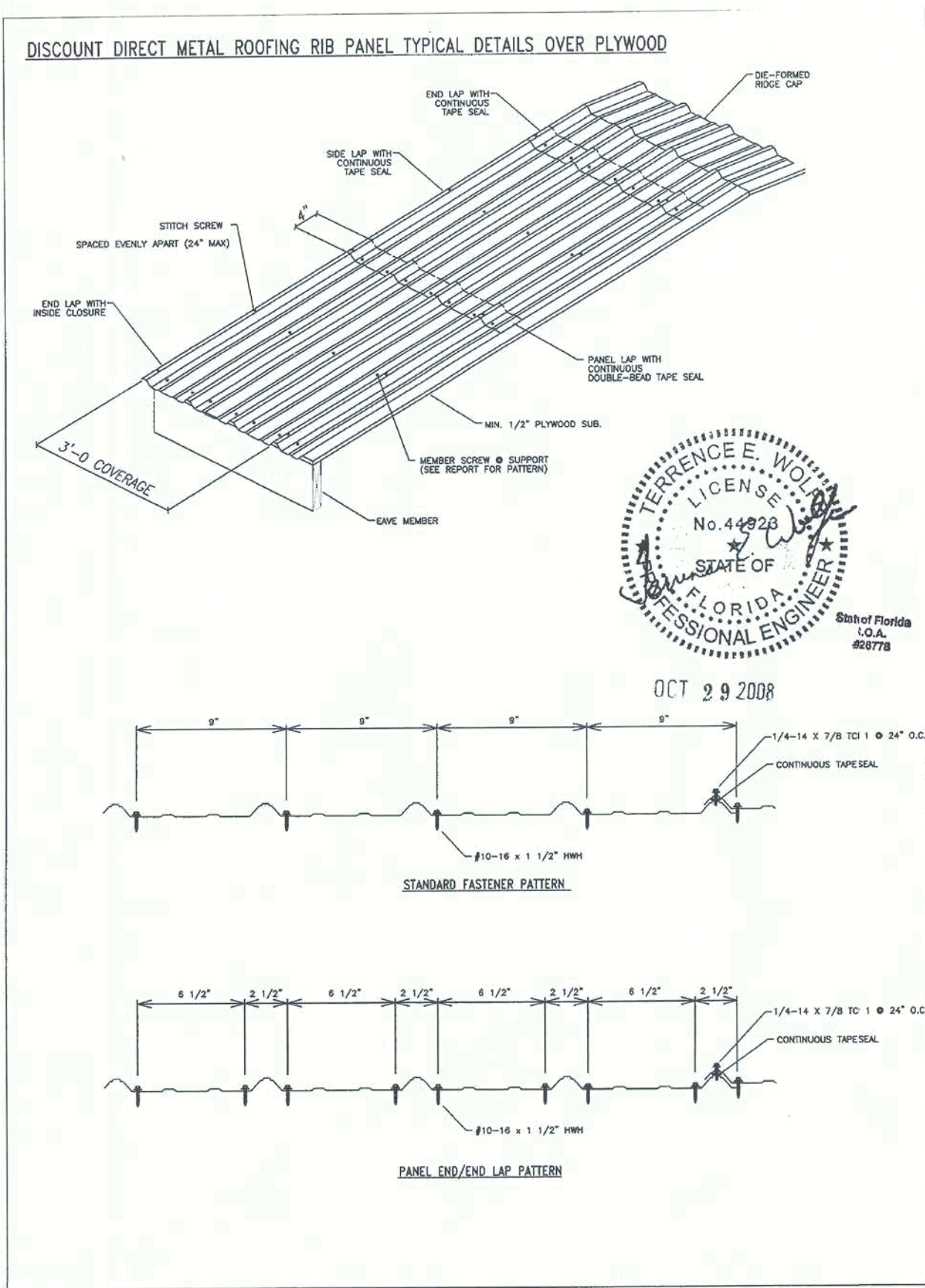
Test Specimen:
20-1/4" x 3/4" x 24-1/2", butted against vent end of chamber.
Continuous length or joined end-to-end.
Truly representative of the materials for which results are desired.
Upstream end of chamber shall have a 14" ±1/8" length of 16 gauge steel sheet placed on the specimen mounting ledge in front of and under the leading edge of the specimen.

Test Atmosphere:
73.4±5°F
50±5%RH

Accordingly, other than minor revisions and clarifications of the specimen size, ASTM E84-00 is equivalent to ASTM E84-04 referenced in the 2007 FBC and therefore meets the intent of the code.

Wendell W. Haney, P.E.
FL P.E. #54158
5-22-08

T **TRINITYDRAFTING.COM**
JODY WILLIS (OWNER)
813-719-7030
607 S. ALEXANDER ST. #208
PLANT CITY, FL 33563



Discount Direct Metal Roofing

Product Evaluation Report for

26 Ga. Plus Rib Roof Panel over 1/2" Plywood

Florida Product Approval # 4541- R1

Category: Roofing

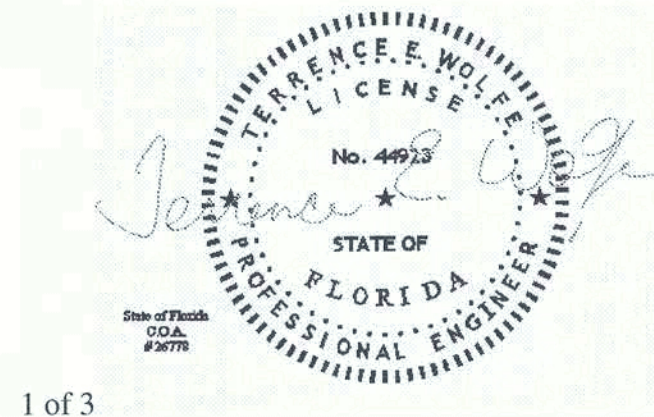
Subcategory: Metal Roofing

Compliance Method: 9B-72.070(1)(d)

NON-HVHZ

Engineer Evaluator:
Terrence E. Wolfe, P.E. # 44923
19530 Ramblewood Drive
Humble, TX 77338

Validator:
Locke Bowden, P.E., FL #49704
9450 Alysbury Place
Montgomery, AL 36117



1 of 3

MANUFACTURER:
Discount Direct Metal Roofing
9159 New Berlin Road
Jacksonville, Florida 32226
Phone: (904) 696-9700

Product Description:
Plus Rib, 26 Ga., Grade 80, 36" Coverage, 3/4" tall ribs, through fastened non-structural metal roof panel applied over 1/2" plywood.

Compliance Statement:
The product as described in this report has demonstrated compliance with the Florida Building Code 2007, Sections 1504.3.2.

Documentation Supporting the Compliance Statement:
The product has been tested in accordance with:
• UL 580-94 / 1897-98: Test report 126-0350T-06A dated 4-26-06 by Force Engineering & Testing

Limitations and Conditions of use for NON-HVHZ:
Maximum Roof Component Pressures: -86.75 psf @ 2'-0" O.C. Fastener Spacing

Panel Material Standards: 26 Ga., 80 ksi. Panel Material shall comply with FBC 2007, Section 1507.4.3

Panel Fasteners: #10-16 x 1-1/2" HWH Kwikseal Woodbinder. Fastener Pattern 9"-9"-9"-9" at 2'-0" O.C. Stitch Panel side laps together with (1) 1/4-14 x 3/4" Lap Screw at 24" O.C. Fasteners must be Corrosion resistance per FBC 2007, Section 1507.4.4

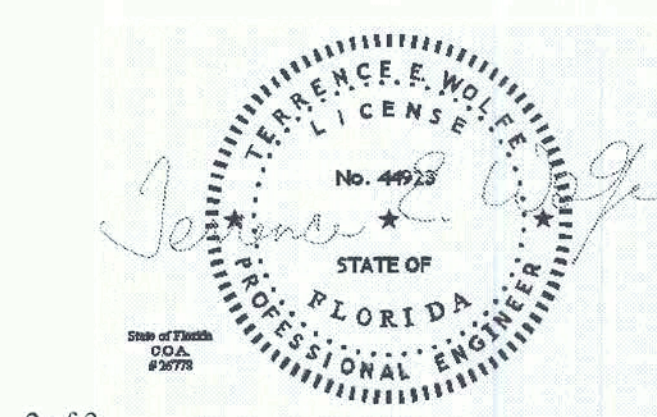
Minimum Roof Slope: 2:12. Minimum Slope shall comply with FBC 2007, Section 1507.4.2 and Manufacturers recommendations.

Substrate Description: Minimum 1/2" Plywood Designed by others

Roof Underlayment: Approved 30# Asphalt Saturated organic felt paper in compliance with ASTM D226, Type I or Type II.

Roof Panel Fire Rating: Class B fire exposure rating in accordance with FBC Section 1505.3.

Shear Diaphragm: Roof Shear Diaphragm values are outside the scope of this report.



2 of 3

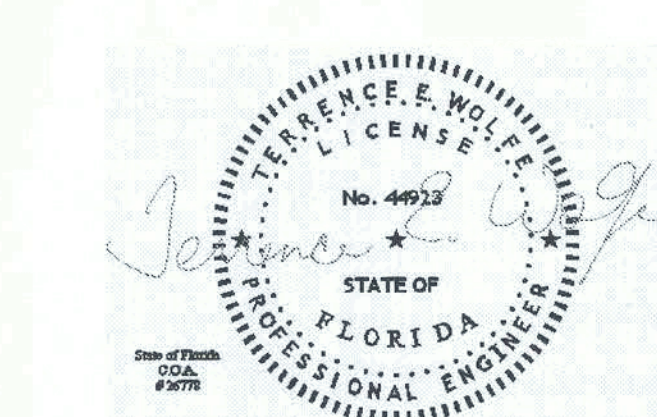
Design Procedure:
Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the FBC 2007 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Substrate must be in compliance with FBC 2007 Chapter 23 for wood, and Chapter 16 for structural loading.

Installation Requirements:
Install the panel system according to the manufacturer's installation instruction.

Quality Assurance Entity:
Keystone Certifications, Inc

Certificate of Independence:
See uploaded attachments

Authorized Representative:
Terrence E. Wolfe, P.E. #44923



3 of 3

3 of 3

REVIEWED FOR STRUCTURE ONLY

SEAL

09.15.09

Williams Roberts
Eng # 42712
EGI Inc.
333 Faulkenburg, Rd.
Suite #A-117
Tampa, FL 33619
Phone...813.333.5413

THIS PLAN IS DESIGNED FOR COMPLIANCE
WITH THE "FLORIDA BUILDING CODE 2007"
INCLUDING THE 2008 AND 2009 CODE REVISIONS

TRINITYDRAFTING.COM
JODY WILLIS (OWNER)
813-719-7030
607 S.ALEXANDER ST. #208
PLANT CITY, FL. 33563

S-2D

DISCOUNT METAL ROOF

SCANNED

Basic Installation Guidelines

Before getting started, it is important to review several important facts for vinyl siding applications. Vinyl siding, like all building materials, expands and contracts with temperature changes. The amount of expansion and contraction can be as much as 1/2" of an inch. This expansion and contraction must be accounted for in advance to prevent the siding from buckling which will ruin the appearance of the entire installation. The following are the basic installation guidelines which are critical for proper vinyl siding installation.

1. Do not start siding on a location where temperature is below 35°F (4°C). On days too cool to start, siding must be postponed until weather or other tarp or plastic wrap without an overcoat.
2. Installed panels must move freely from side to side.
3. When installing a siding panel, push up from the bottom until the lock is fully engaged with the piece below it. Do not force the panel up or down when fastening in position. Striking the panel against the nail head will cause the siding to crack and damage the texture of the face.
4. Always nail in the center of the slot. **WARNING:** Do not nail in the end of a slot. Doing so will cause the siding to warp and the panel will not fit properly. If you must nail near the end of a slot to fit a nail, extend the length of the slot until a nail slot ends.
5. Do not drive the head of the nail tightly against the siding nail in the end of a slot. Doing so will cause the siding to warp and the panel will not fit properly. If you must nail near the end of a slot to fit a nail, extend the length of the slot until a nail slot ends.
6. Leave a minimum of 1/4" clearance at all openings and accessory channel gaps to allow for normal expansion and contraction. When installing in temperatures below 40°F, follow instructions for minimum clearance to 3/8".
7. Do not cover the joints where they meet the exterior of the house. The siding must be visible.
8. Do not install or staple through siding. Vinyl siding is not designed to be stapled. Staples will damage the siding and cause it to warp. If you must staple, use a 1/4" wide staple and staple through the siding.
9. In new construction, avoid the use of green lumber as the underlayment. Keep in mind that siding can only be installed on a level and solid surface.

Basic Installation Tools and Equipment

Common hand tools such as a hammer, fine-tooth saw, square, chalk line, level, and tape measure are needed for proper installation. Safety glasses are recommended for eye protection. Other basic tools include:

- Power Saw:** A hand or chain-saw power saw can speed the cutting of the siding. A fine-tooth blade (12 to 16 teeth per inch) should be used with the blade installed in the reverse direction.
- Utility Knife:** Vinyl is easy to cut, trim and score with a utility knife or scoring tool.
- The Saw:** Good quality tin snips or compound action shears will speed the cutting and shaping of the vinyl.
- Strip Lock Punch:** A strip lock punch is used to punch holes in the end of a slot. Being so will cause the siding to warp and the panel will not fit properly. If you must punch near the end of a slot to fit a nail, extend the length of the slot until a nail slot ends.
- Nail Head Slot Punch:** Occasionally, it may be necessary to change a nail head slot. The hole is changed to allow for expansion and contraction.
- Endcap Tool:** Remove or replace a siding panel with the endcap tool. Insert the curved end of the tool under the end of the panel and hook onto the back lip of the fastener. To disengage the lock, pull down and slide the tool along the length of the panel. Use the same procedure to remove a panel.

Cutting the Siding

When cutting vinyl siding, follow these guidelines:

- Safety goggles and gloves are recommended for all cutting and nailing operations. As on any construction job, use proper safety equipment and follow safe construction practices.
- With a circular saw, install the fine-toothed (plywood) blade backwards on the saw. For a smoother, cleaner cut, especially in cold weather, cut slowly.
- CAUTION! Use of a backwards blade on any other materials could be unsafe.** With tin snips, avoid closing the blades directly at the end of a stroke for a better, cleaner cut.
- With a utility knife or scoring tool, score the vinyl face up with medium pressure and snap it in half. It is not necessary to cut all the way through the vinyl.

Preparation

Inspect and plan the job in advance. Check surfaces for straightness and for what necessary. Surface should be uniform and straight from various viewing angles.

To achieve desired performance, vinyl siding must be installed over a weather resistant barrier system that provides a continuous weather resistant material and properly integrated flashing around all penetrations and where vinyl siding interfaces with other building products such as brick, stone, or concrete. Always consult the applicable building code for minimum weather barrier requirements in your area. Keep in mind that additional measures may provide better protection against water intrusion than the minimum requirements of the building code.

New Construction: Be sure all nails and sheathing are in place. Waterproof sheathing paper is recommended under new construction or if old siding is removed. Confirm your local building code.

Residing: Nail down all loose boards and replace any rotten ones. Remove shingles, downspouts, lightning fixtures, moldings, and caulking around doors and windows. Vinyl siding fasteners should be applied over a rigid sheathing that provides a smooth flat surface and provides sufficient thickness to support the nail. The use of Levelwall insulation will assist.

Fastening Procedure

Vinyl siding can expand and contract 1/2" or more over a 120" length with changes in temperature. Whether using a nail, screw, or staple, fasten the siding, the following basic rules must be followed:

- Make sure the panels are fully locked along the length of the bottom, but do not force them up tight when fastening.
- Do not nail or staple through face of the siding.
- Do not drive the head of the fastener tightly against the siding nail. Leave a minimum of 1/32" (the thickness of a dime) gap between the fastener's head and the vinyl.
- Tight nailing, over nailing, or stapling will cause the vinyl siding to buckle with changes in temperature.**
- When fastening, start in the center of the panel and work towards the ends.
- Center the fasteners in the slots to prevent expansion and contraction of the siding.
- Drive fasteners straight and level to prevent distortion and buckling of the panel.
- Start fastening vertical siding and corner points in the top of the upper panel and work down in position. The balance of the nailing must be in the center of the slots at 8" to 12" on center. If more than one length is required, refer to the following note for cutting and overlapping instructions.

Note: **Overlap the upper piece over the lower piece by cutting every 12" of the siding flush on the top piece. Overlap 3/4".**

Application for high wind areas: Using a 5/8" nylon washer with a 1/4" hole behind the nail and siding, you can increase the wind load capabilities of your siding installation.

Horizontal Siding

Overlapping Starter Strip: The first step is to determine where you will apply the first course of siding. This can be at the same level as the old siding or, on new construction, at a level that will cover the edge of the foundation. Use a chalk line and a level to obtain a horizontal starting point so that all installed siding will be perfectly level. And at all corners, use a plumb line to ensure that corner points are vertical.

Follow these steps in the order shown for the easiest and best application:

1. Before the siding can be hung, a number of accessories must be installed first, including starter strip, corner posts, window flashing, trim, and J-channel over the roof line.
2. **Install Corner Posts:** Cut post to the length required allowing 1/4" gap between the top of the post and the eaves or soffit. Begin nailing at the top of the post, hanging corner post in position. The balance of the nailing must be in the center of the slots at 8" to 12" on center. If more than one length is required, refer to the following note for cutting and overlapping instructions.
3. **Note:** **Overlap the upper piece over the lower piece by cutting every 12" of the siding flush on the top piece. Overlap 3/4".**

All corner posts should be cut to appear same and should extend 1/4" to 1/2" above first course of siding.

Window, Doors and Roof Lines

Window Flashing: Apply the flashing on the underside of the window first. Follow the application with flashing on the sides of the window. Make sure to overlap the bottom flashing. The flashing should be long enough to direct water over the nail flange of the last course of complete siding panels.

Finish Trim: This trim is used above and below openings, and at the top of walls adjoining soffits. Finish trim can be flared out to preserve the proper panel angle. Apply a flaring strip to the top of the wall, being to fit the underside of the window. Make sure the flaring strip is extending in part either side of the window, or as far as the outer edge of the J-channel trim. Finish trim can also be used in an inverted position over the top of the window and doors and where trim butt joints. Caulk where J and trim meet using the opening flame.

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Cut off the locking lip of the first panel and Snap-Lock Panels edge at 12" intervals. Make sure the "C" face is toward the wall.

Push the punched edge of the panel into the strip of finish trim and nail into trim. Interlock and nail subsequent panels. Measure and cut to fit the last panel, punch the edge and insert into the finish trim in the corner.

Note: Before installing any siding, measure the width of the wall to ensure that the last panel will fit into finish trim in the corner.

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HR
HR Engineering, Inc.
1418 E. Market St., Suite B
York, PA 17403

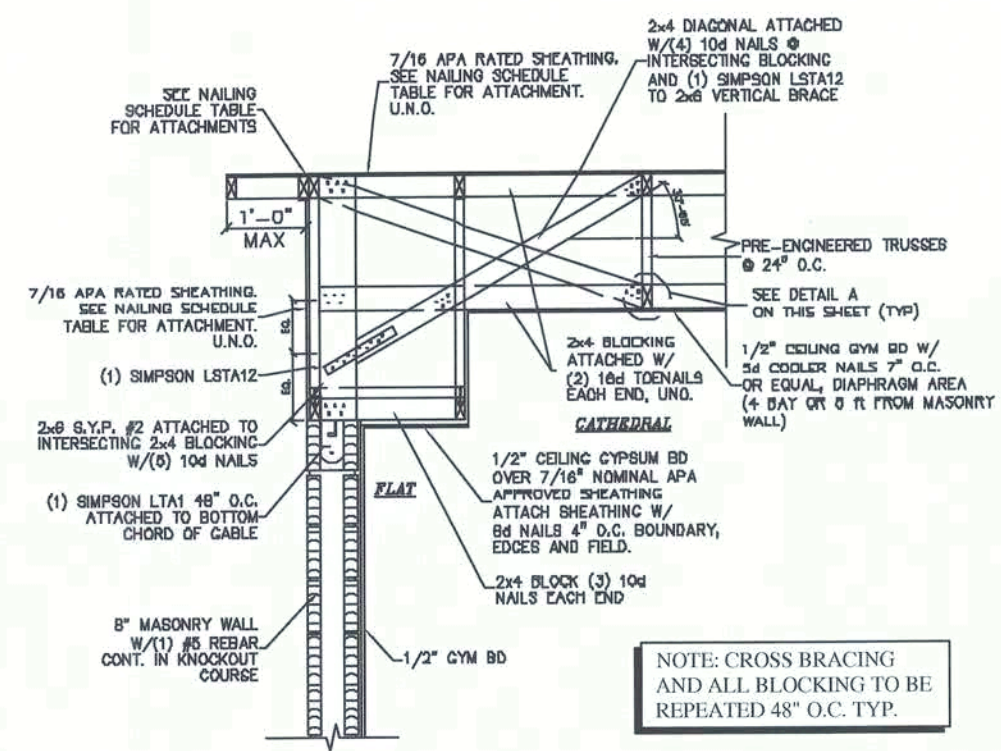
Bill Pellizzari, Quality Assurance Manager
Mitten Vinyl
P.O. Box 2005, 70 Curtis Ave. N.
Paris, ON Canada N3L 3T2

RE: Vinyl Siding, Oregon Pride D4 Dutchlap

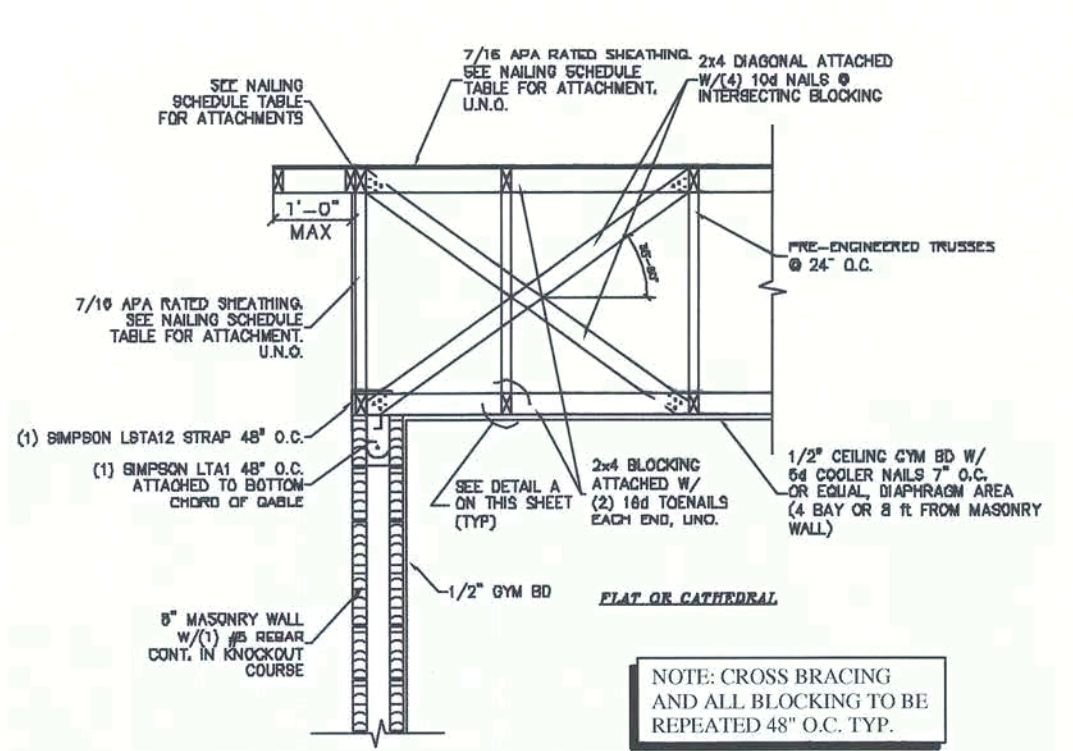
Dear Mr. Pellizzari;

The following Mitten Vinyl siding product; Oregon Pride has been tested and analyzed in accordance with ASTM D 3679-05 as required by the Florida Building Code 2007, paragraph 1404.9. Testing was done at R A D C O, under report number RAD-3578 and analyzed by Regina L. Hoover under my direction. The configuration is double "4", Dutchlap. The siding thickness is 0.040" on this product.

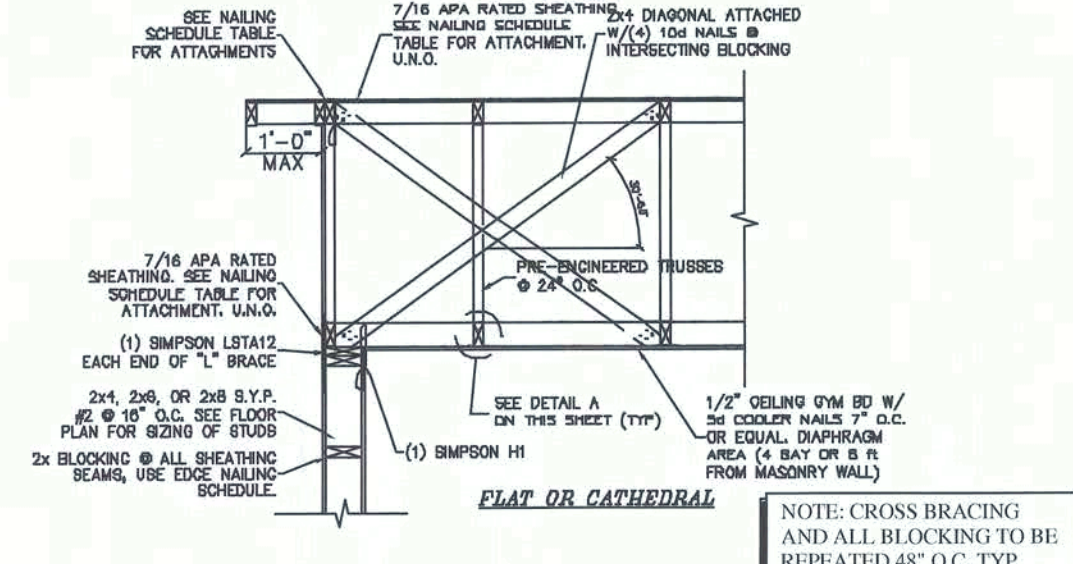
The allowable design wind pressures for this product with sheathing placed behind the siding are +/- 50.0 psf. This conforms to the 140 mph wind zone in exposure B with a mean roof height of 35 feet. This also conforms to the 130 mph wind zone in exposure B with a mean roof height of 60 feet, exposure C with a mean roof height of 15 feet and 120 mph wind zone in exposure C with a mean roof height of 30 feet. The studs and fasteners must be at 16" maximum spacing. Fasteners must be 1-1/



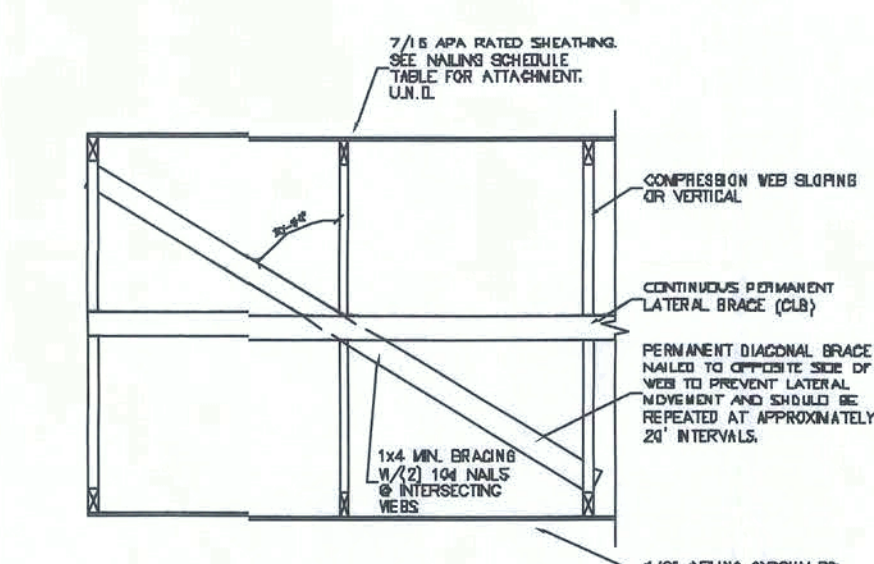
GABLE END WITH FLAT CATHEDRAL



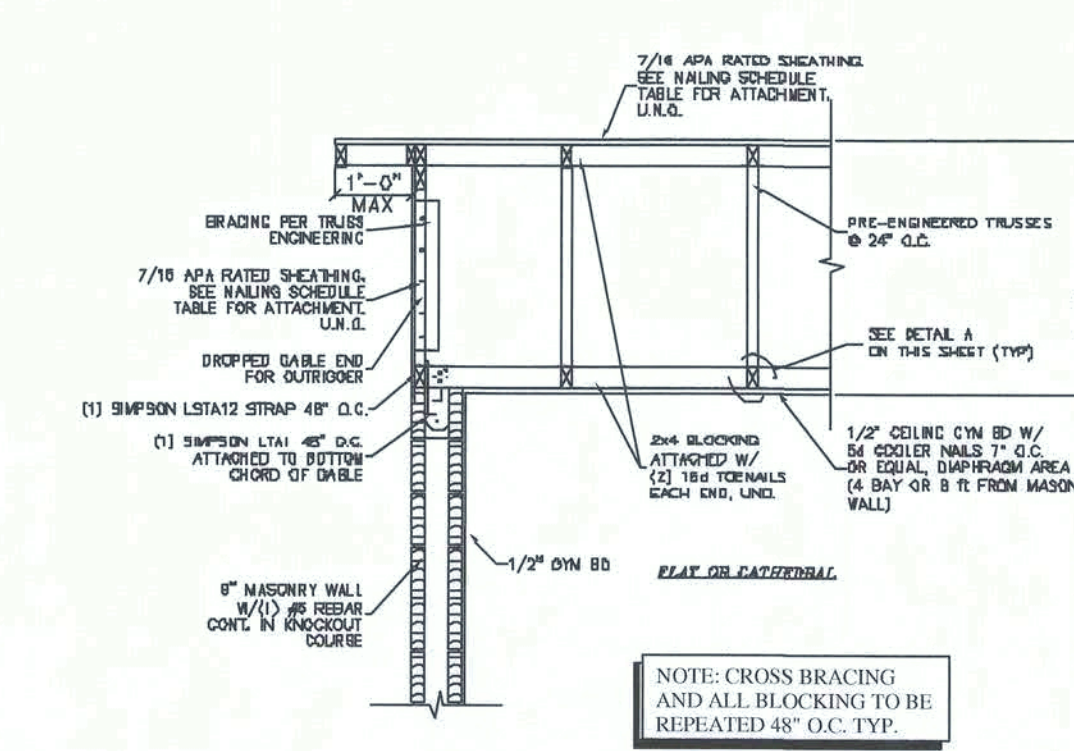
TYP. MASONRY GABLE END



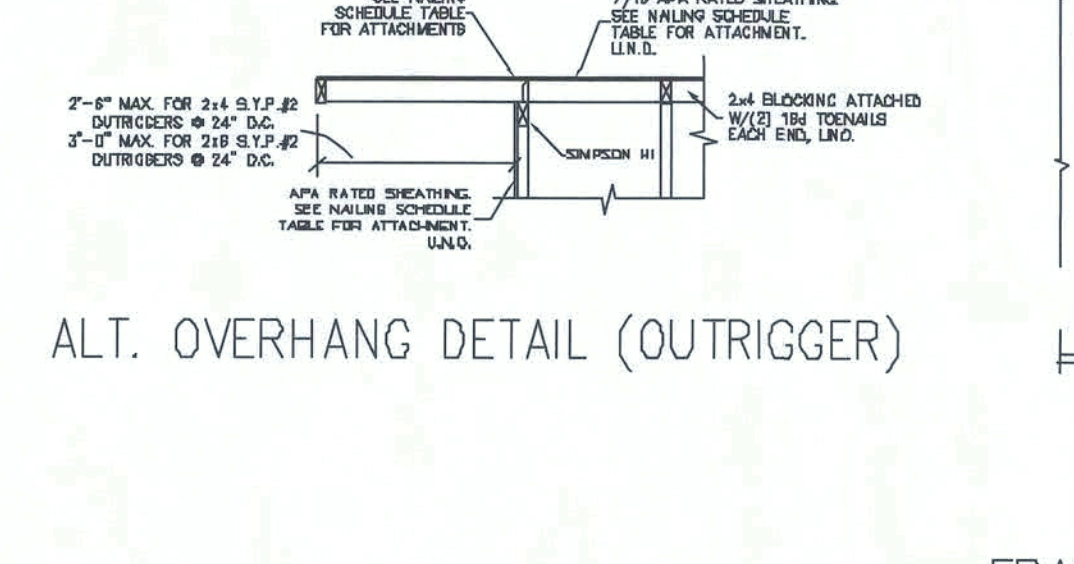
TYP. FRAME WALL GABLE END



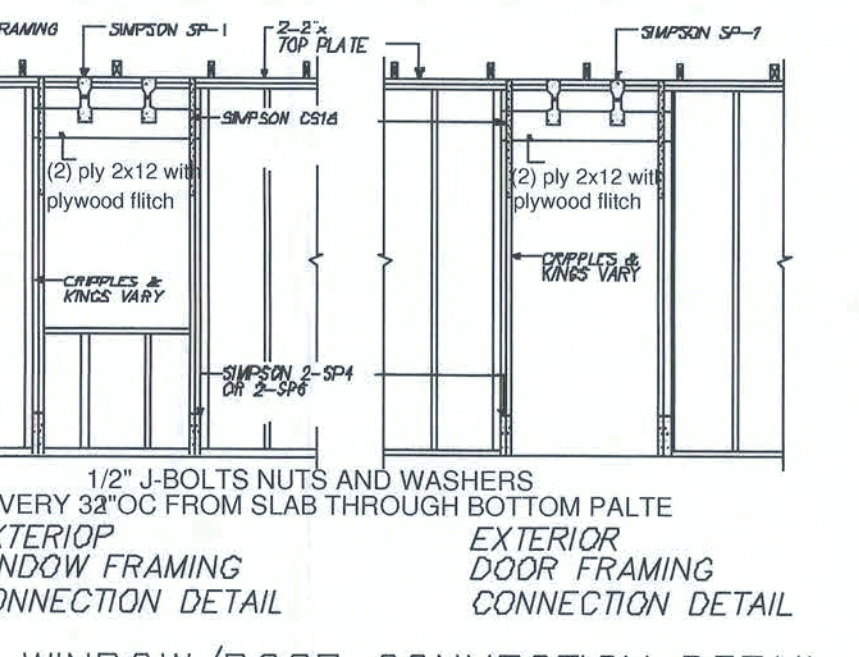
CLB BRACING @ 20' MAX INTERVALS



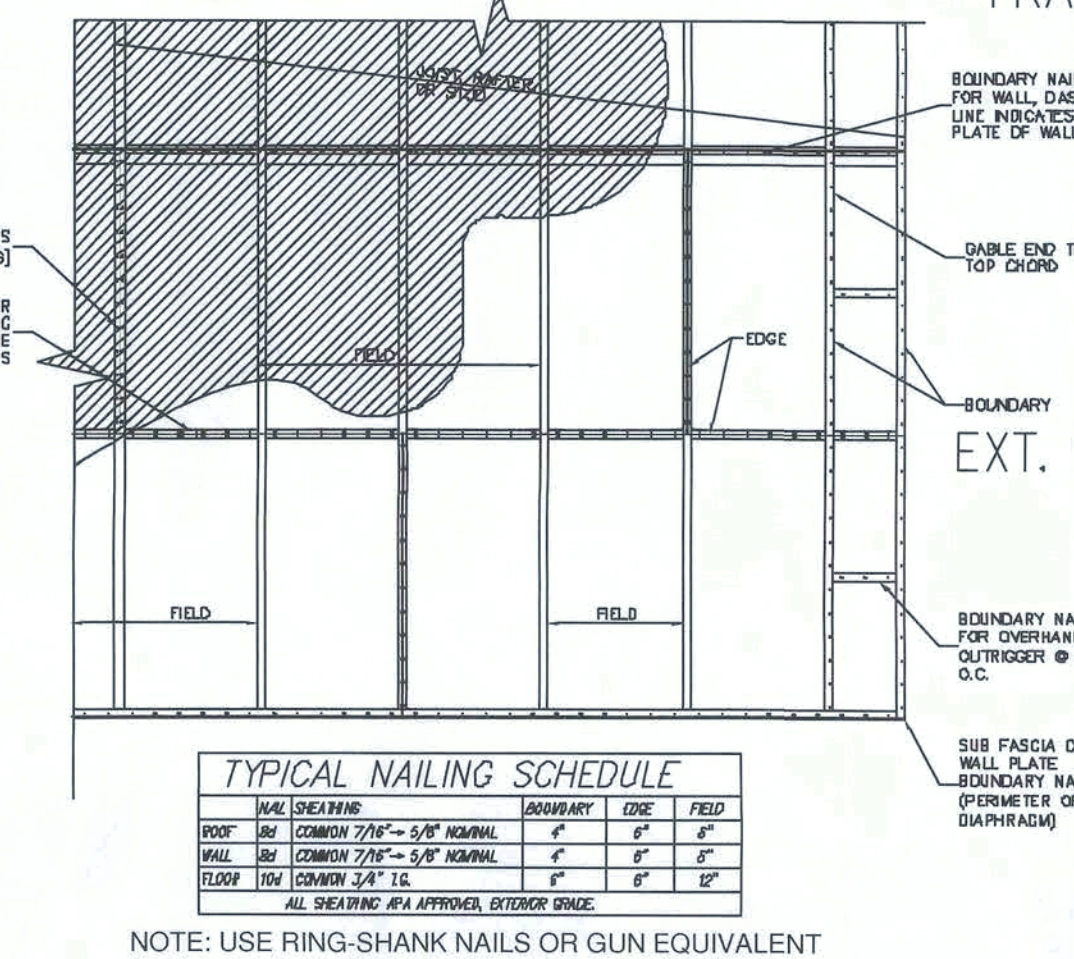
FOR GABLE SECTION LESS THAN 4'-0" HIGH



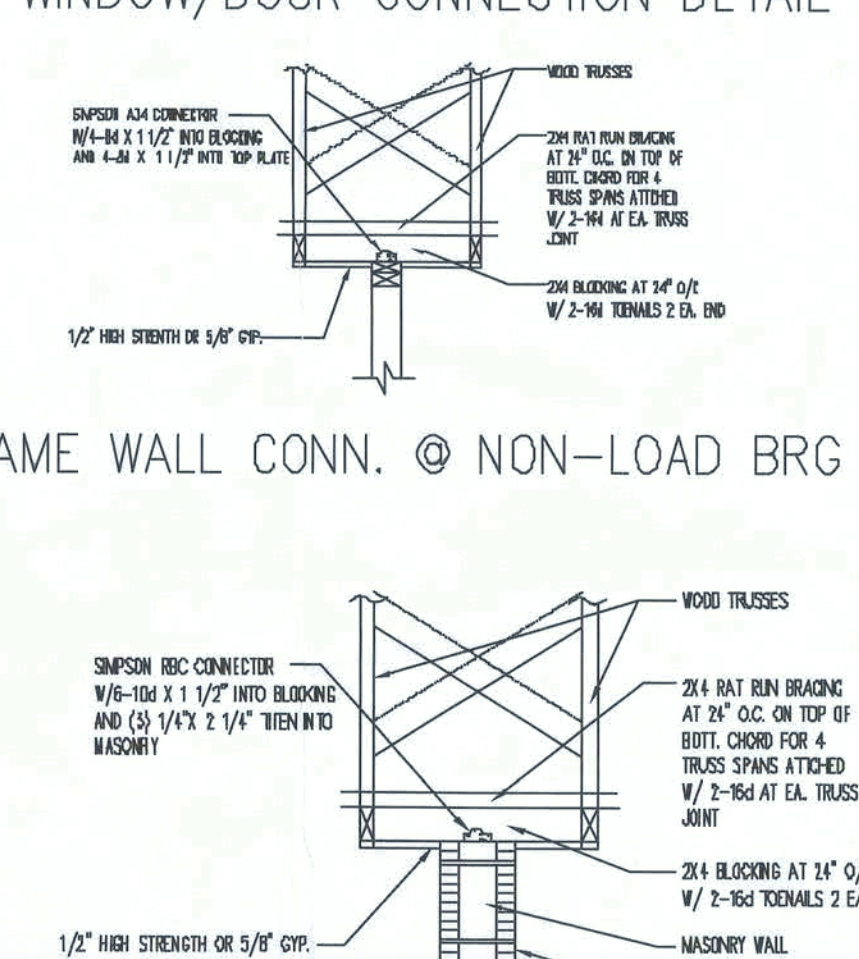
ALT. OVERHANG DETAIL (OUTRIGGER)



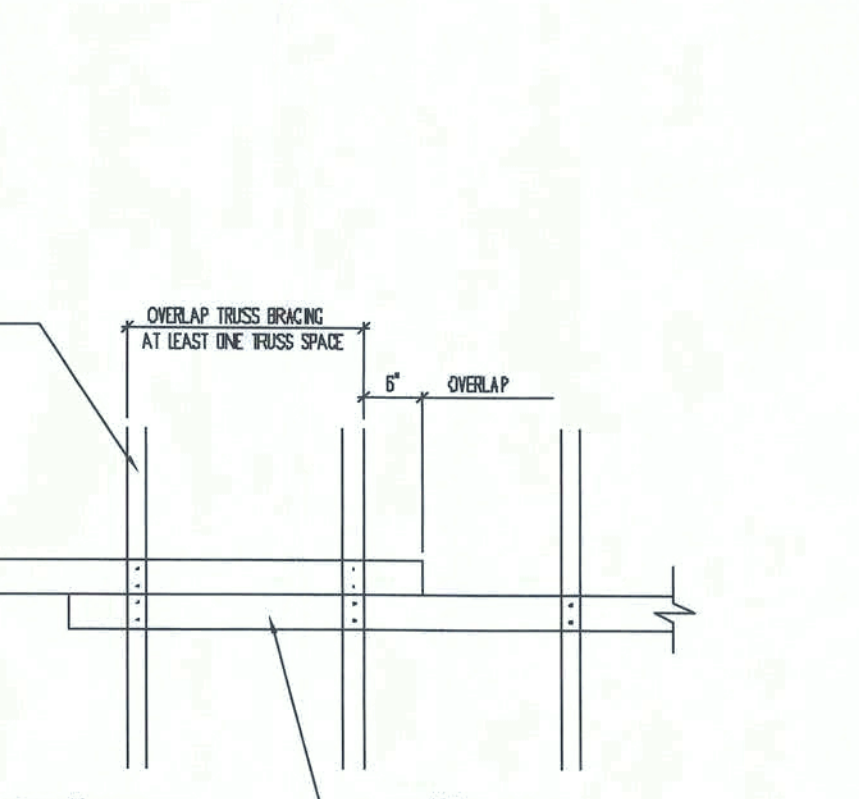
FRAME WINDOW/DOOR CONNECTION DETAIL



TYP. NAILING SCHEDULES (FLOOR, ROOF, WALL)



EXT. FRAME WALL CONN. @ NON-LOAD BRG.

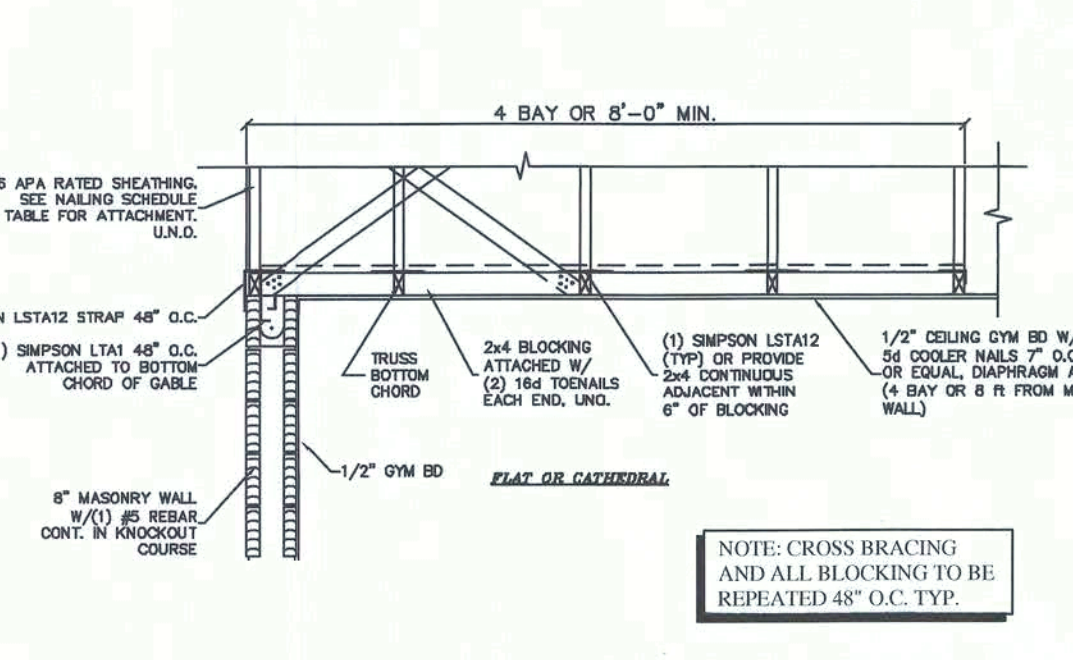


EXT. MASONRY WALL CONN. @ NON-LOAD BRG.

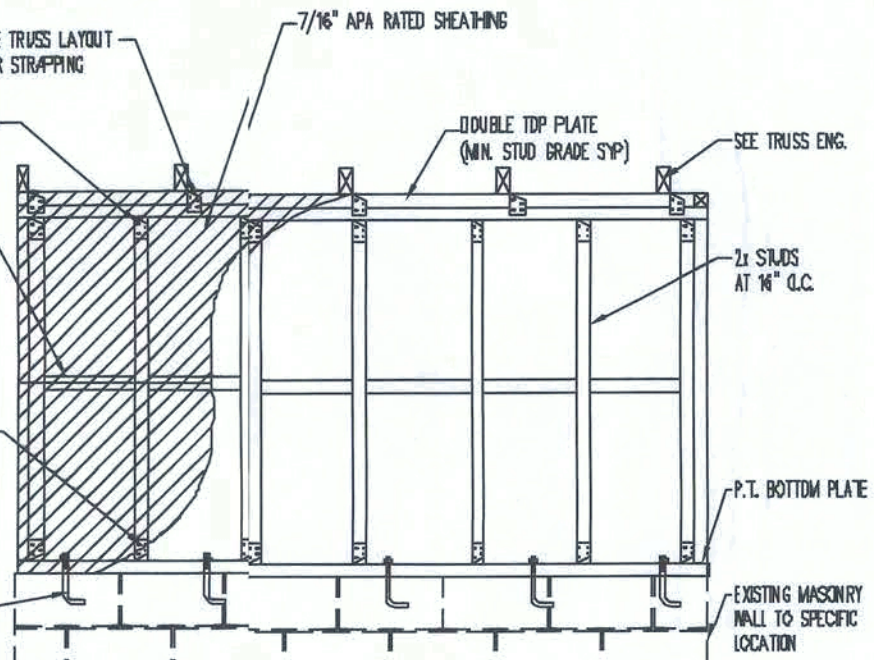
ALT. MASONRY GABLE CONNECTION

DIAPHRAGM SIDEWALL (ILLUSTRATION ONLY)

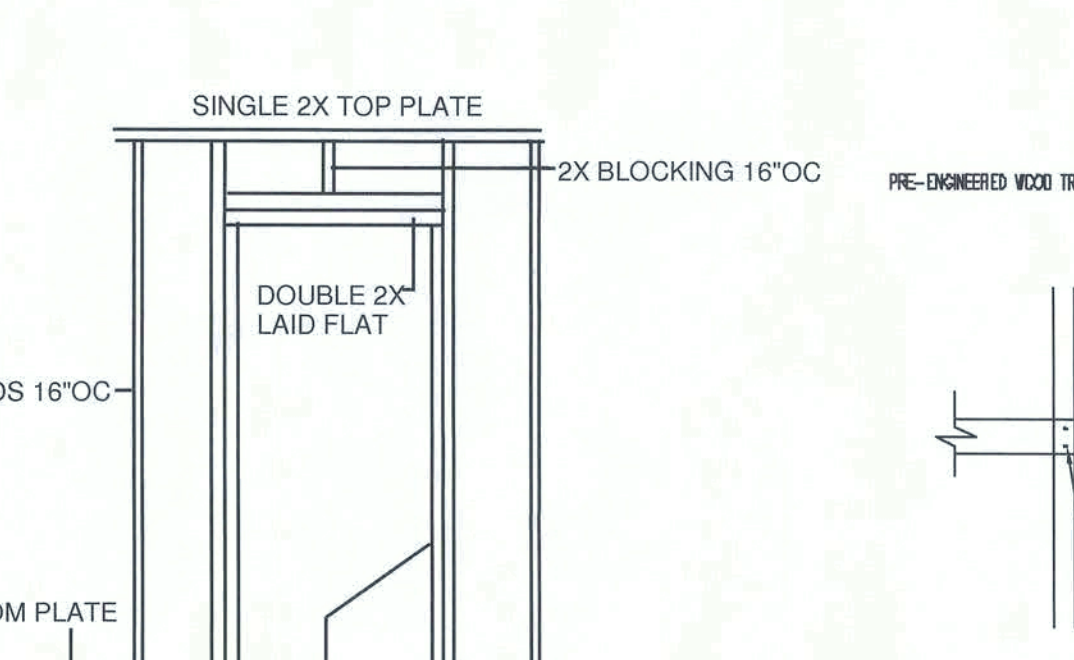
GABLE AND CLB BRACING DIAGRAM



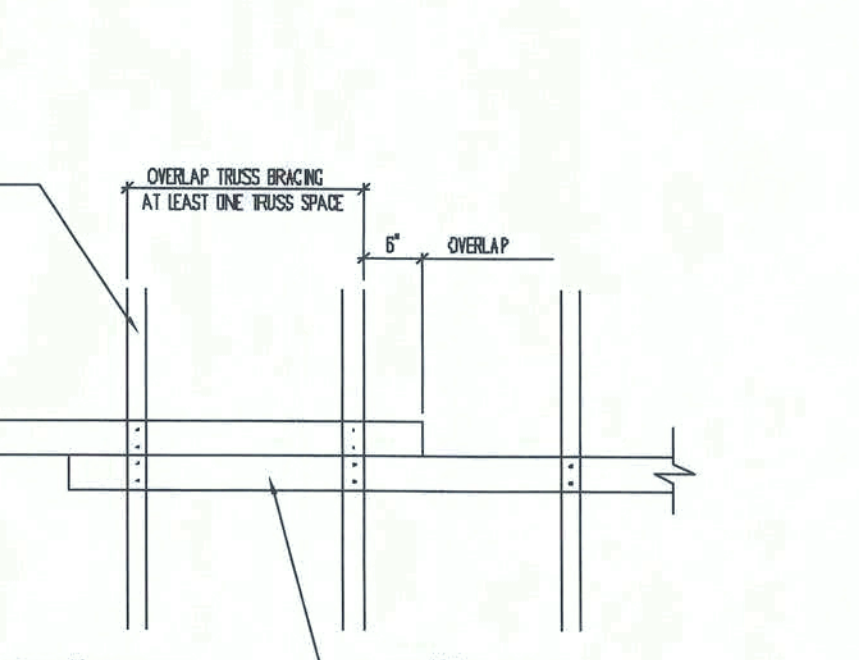
EXPANDED BLOCKING INFORMATION DIAGRAM



KNEEWALL OVER MASONRY DETAIL



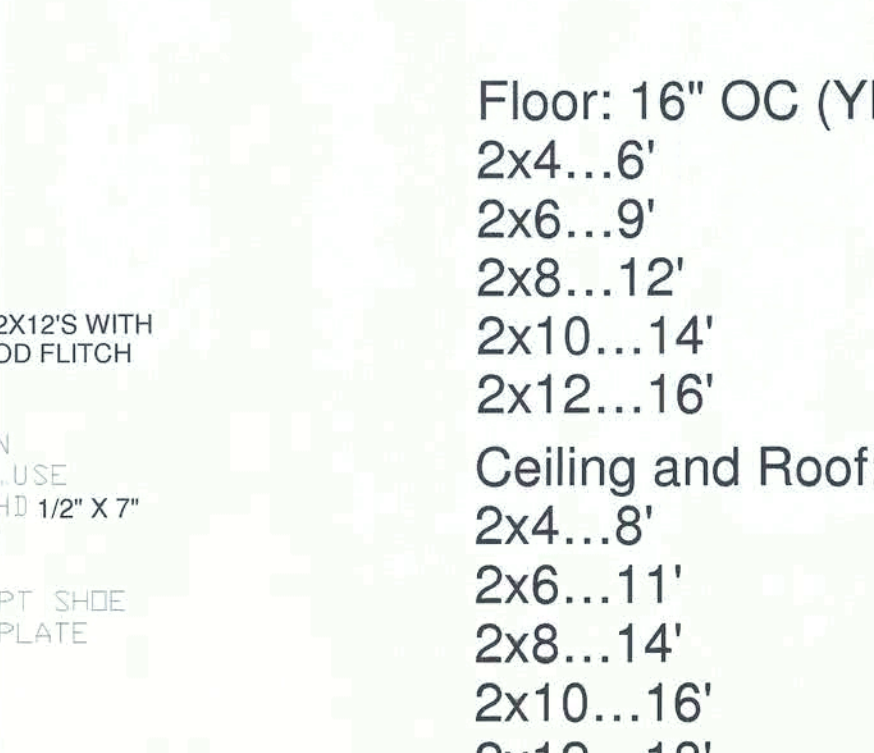
INTERIOR HEADER/WALL DETAIL



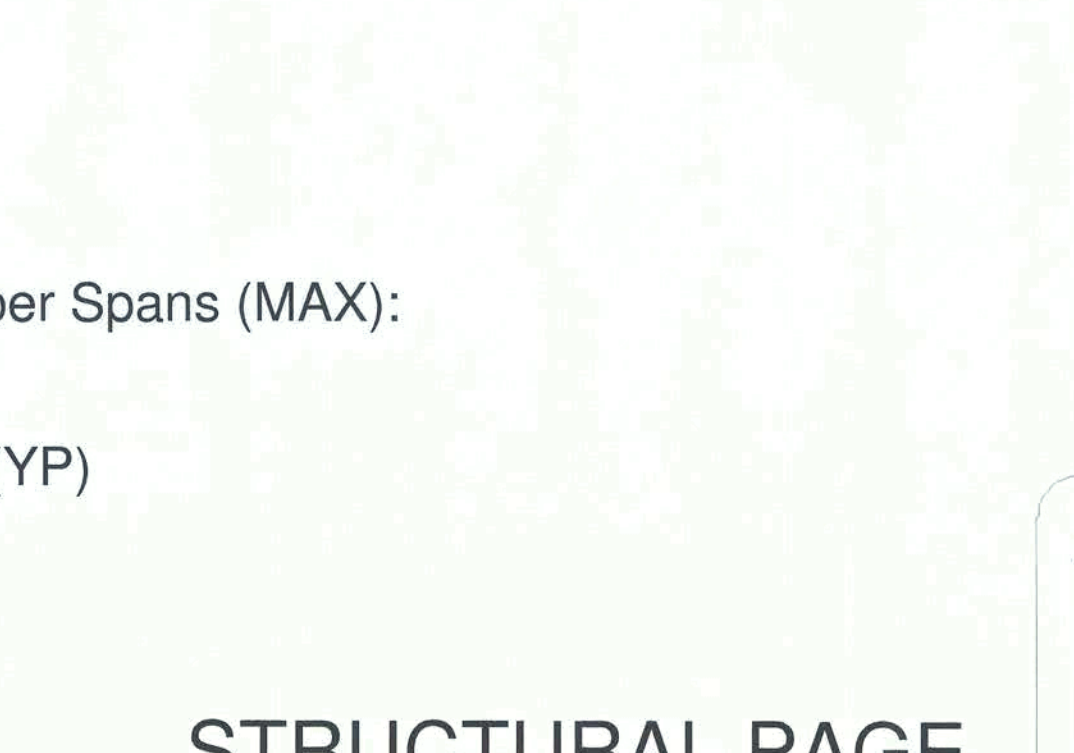
TRUSS BRACING OVERLAP DETAIL



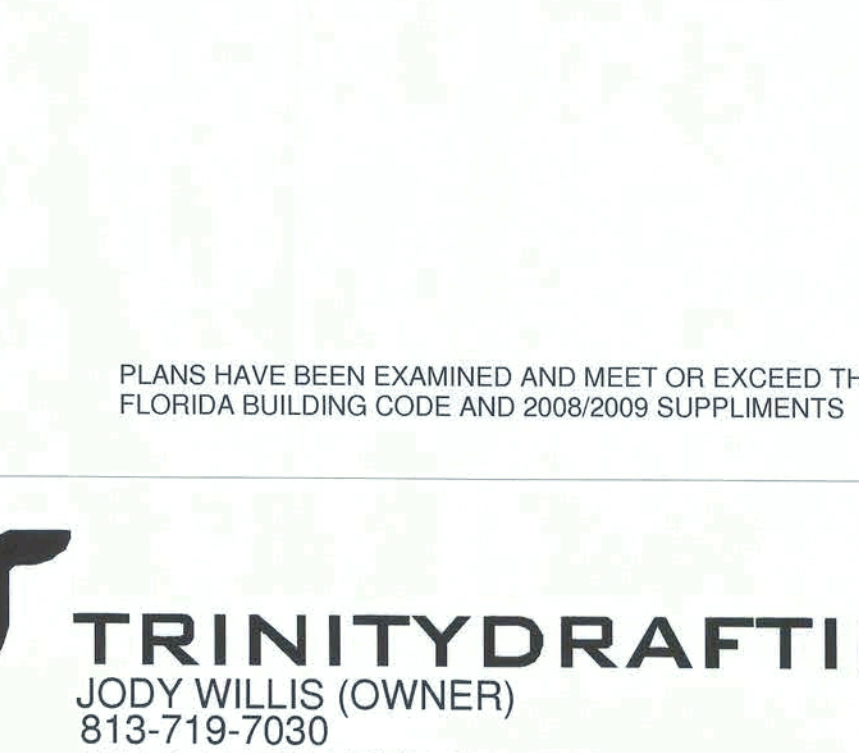
TYPICAL BEARING DOOR OPENING DETAIL



TYP. NAILING SCHEDULES (FLOOR, ROOF, WALL)



TYP. NAILING SCHEDULES (FLOOR, ROOF, WALL)



TYP. NAILING SCHEDULES (FLOOR, ROOF, WALL)

Floor: 16" OC (YP)
 2x4...6'
 2x6...9'
 2x8...12'
 2x10...14'
 2x12...16'

Ceiling and Roof: 24"OC (YP)
 2x4...8'
 2x6...11'
 2x8...14'
 2x10...16'
 2x12...18'

Lumber Spans (MAX):

REVIEWED FOR STRUCTURE ONLY

SEAL

Williams Roberts
 Eng # 42712
 EBC#...EB28612
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 333 Faulkenburg, Rd.
 Suite #A-117
 Tampa, FL 33619
 Phone...813.333.5413

PLANS HAVE BEEN EXAMINED AND MEET OR EXCEED THE 2007 FLORIDA BUILDING CODE AND 2008/2009 SUPPLIMENTS

