

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH

2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

☒ All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

☒ Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

☐ **Site Plan including:**

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

☒ **Wind-load Engineering Summary, calculations and any details required**

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC
 - a. Basic wind speed (MPH)
 - b. Wind importance factor (I) and building category
 - c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
 - d. The applicable internal pressure coefficient
 - e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

☐ **Elevations including:**

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- g) Number of stories

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☐ N/A ☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

☐ N/A ☐ N/A

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

☐ N/A ☐

☐ N/A ☐

☐ N/A ☐

☐ N/A ☐

☐ ☒

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

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HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

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Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

☐ ☒

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

Expert

LAKE CITY INDUSTRIES

WINDOW & DOOR DIVISION

250 NW RAILROAD STREET
LAKE CITY, FL 32055
(386) 752-3511

FROM: CHRIS WHITFIELD
FAX (386) 758-3021
CELL: (386) 623-2666
E-MAIL chris@lcindustries.net

497-2956

4/28/04

GRIFFEN RESIDENCE

BED #2	1- 3050 SH 6/6 TWIN	225 ⁰⁰
BED #3	1- 3050 SH 6/6 TWIN	225 ⁰⁰
FAMILY	2- 3050 SH 6/6	113 ⁰⁰
MST. BED	1- 3050 SH 6/6 TWIN	225 ⁰⁰
GARAGE	2- 3050 SH 6/6	113 ⁰⁰
DINING	1- 6068 SGD XX COL	320 ⁰⁰
BATH	1- 4044 SH 8/8 TEMPERED OBSCURED	208 ⁰⁰
BED #4	1- 3050 SH 6/6	113 ⁰⁰
LIVING	1- 3050 SH 6/6	113 ⁰⁰
"	1- 2650 SH 4/4 TWIN	240 ⁰⁰
BED #2	1- 2650 SH 4/4 TWIN	240 ⁰⁰

CAPITOL, 650 SERIES ALUMINUM	S/T	2361 ⁰⁰
WHITE	TAX	165 ²⁷
	TOTAL	2526 ²⁷

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4/28/04

GRIFFEN RESIDENCE

FOYER 1- 306⁸ (LHIS) 6PNI 153⁰⁰

GARAGE 1- 286⁸ (LHIS) 6PNI 152⁰⁰

KITCHEN 1- 306⁸ (LHIS) 15-LITE 240⁰⁰

LIVING 1- 306⁸ (LHIS) 15-LITE 240⁰⁰

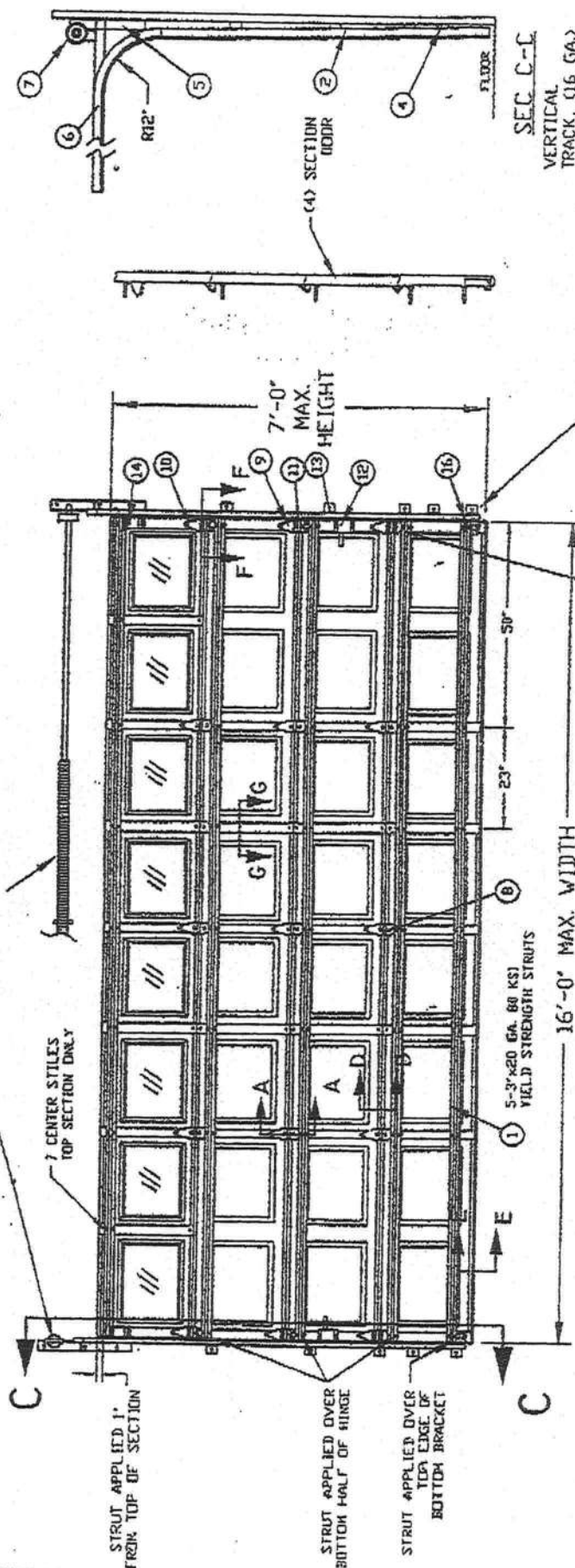
STEEL, 4⁹/₁₆ 10YR JMB DB PVC BM S/T 784⁰⁰

TAX 54⁸⁸

TOTAL 838⁸⁸

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21'
3. SECTION HEIGHTS OF 21'0" AND 19'0" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS RISE HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, (AS TESTED WITH 1/8" ISR GLASS, OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STOP IS 51" AS TESTED
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOW.
7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR 02 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL

NOT PART OF WIND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE



SEC C-C
VERTICAL
TRACK. (16 GA.)

ALL ROLLER CARRIERS
AND HINGES ARE 14 GA.

INSIDE ELEVATION

12 GA. JAWB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL C OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

TEST REPORTS ON FILE VIDEO 10/19/03 (00293)

DESIGN LOAD	+20.0 PSF	&	-20.0 PSF
TEST LOAD	+30.0 PSF	&	-30.0 PSF



GENERAL AMERICAN DEOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

FORM 105	APPROVED BY	DESIGN BY A. MICHAEL
DATE 10-20-00	REVISED	(A) 11-10-00
16" X 7" MAX. RAISED PANEL STEEL, BURR-VINYLIDED 420 P5T		
PAGE 1 OF 2		

PAGE : DE 2

BRITISH AIRWAYS

LISTED

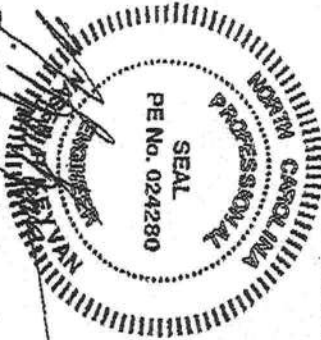


REPORT No. 2202

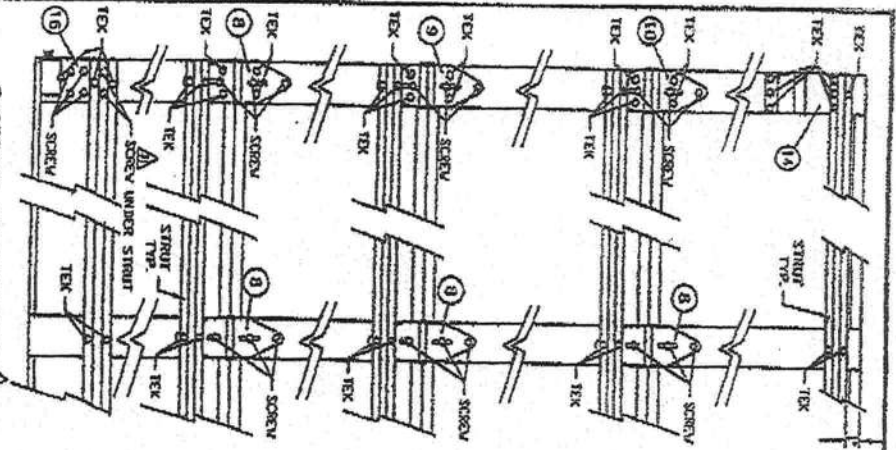


The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

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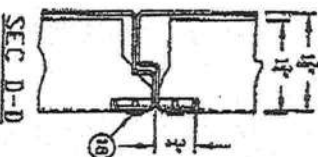


FASTENER ARRANGEMENT A



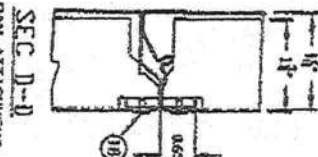
SEC. D-D

PAN ATTACHMENT TO STILE (AS TESTED)



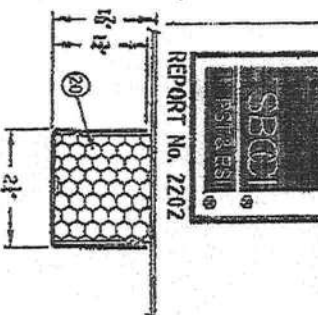
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PAN ATTACHMENT TO STILE (OPTIONAL)

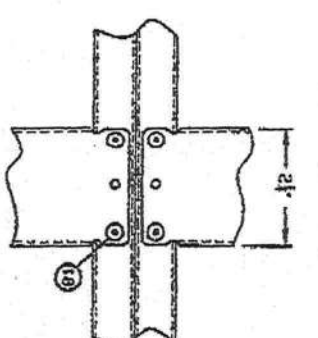


SEC. G-G

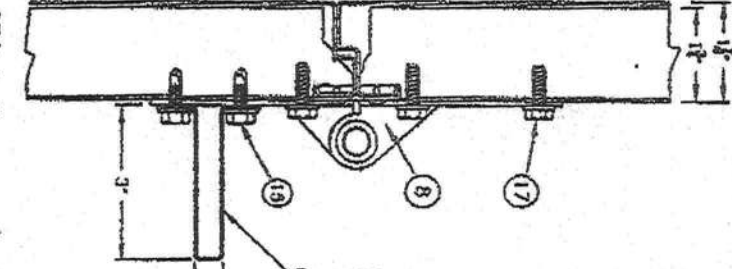
CENTER STILE 20 GA. GALVANIZED



PAN ATTACHMENT TO STILE



SEC. A-A



SCREW 1-20 x 3/8 HEX WASHERHEAD SCREW

1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

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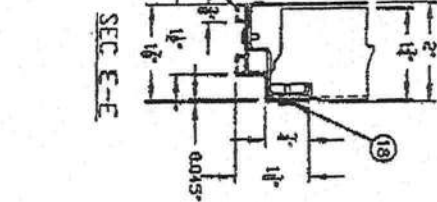
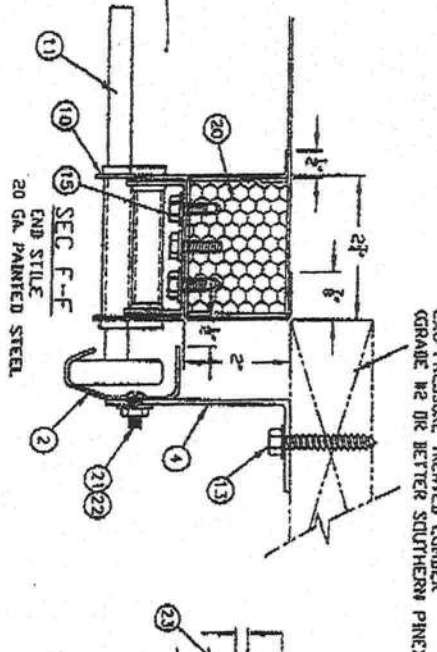
1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

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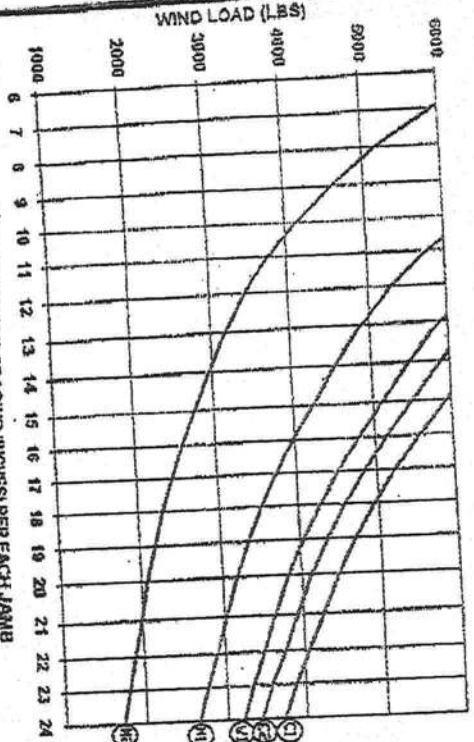
1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

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ITEM	QUANTITY	DESCRIPTION
1	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
2	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
3	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
4	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
5	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
6	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
7	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
8	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
9	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
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21	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
22	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT
23	1	1-20 x 3/8 HAW TEX SCREW WITH RE REDUCED POINT

WIND LOAD VS ANCHOR SPACING

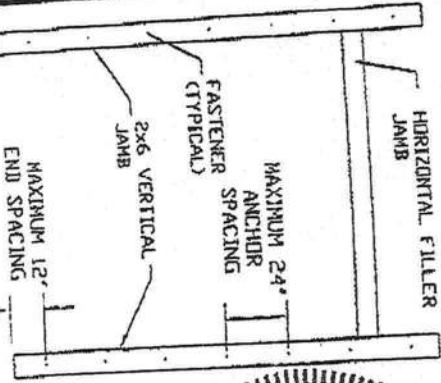


MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

DESIGN (LBS) X GARAGE DOOR AREA (WIDTH-FT X HEIGHT-FT) = WIND LOAD (LBS)
LOAD FT²

EXAMPLE

- 30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS
FT²
- ① USE 22" SPACING
 - ② USE 21" SPACING
 - ③ USE 19" SPACING
- SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



SEAL
PE No. 024280
ENGINEER
MASTER R. KEYVAN
3/8/2002

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE, WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH PRO CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTB 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNIT'S COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 16' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY
5000 BASSETT BLVD
MINNEAPOLIS, IL 60538

SCALE: NONE
DATE: 8-30-99
REVISION: JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS
DRAWN BY: JLV
CHECKED BY: JLV
DATE: 11/25/00

FIBERGLASS ROOF SHINGLES:

ROOF SHINGLES SHALL BE OF THE FOLLOWING MANUFACTURERS AND MODELS:

TAMKO ROOFING PRODUCTS

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 40 AR
HERITAGE 50 AR

TAMKO REQUIRED NAILS/SHINGLE = 4

GAF MATERIALS CORP.

ROYAL SOVEREIGN
MARGUIS
WEATHER MAX
SLATELINE
GRAND CANYON
GRAND SEQUOIA
COUNTRY MANSION
COUNTRY ESTATES
TIMBERLINE 30
TIMBERLINE SELECT 40
TIMBERLINE ULTRA
SENTINEL

GAF REQUIRED NAILS/SHINGLE = 4

ELK PREMIUM ROOFING

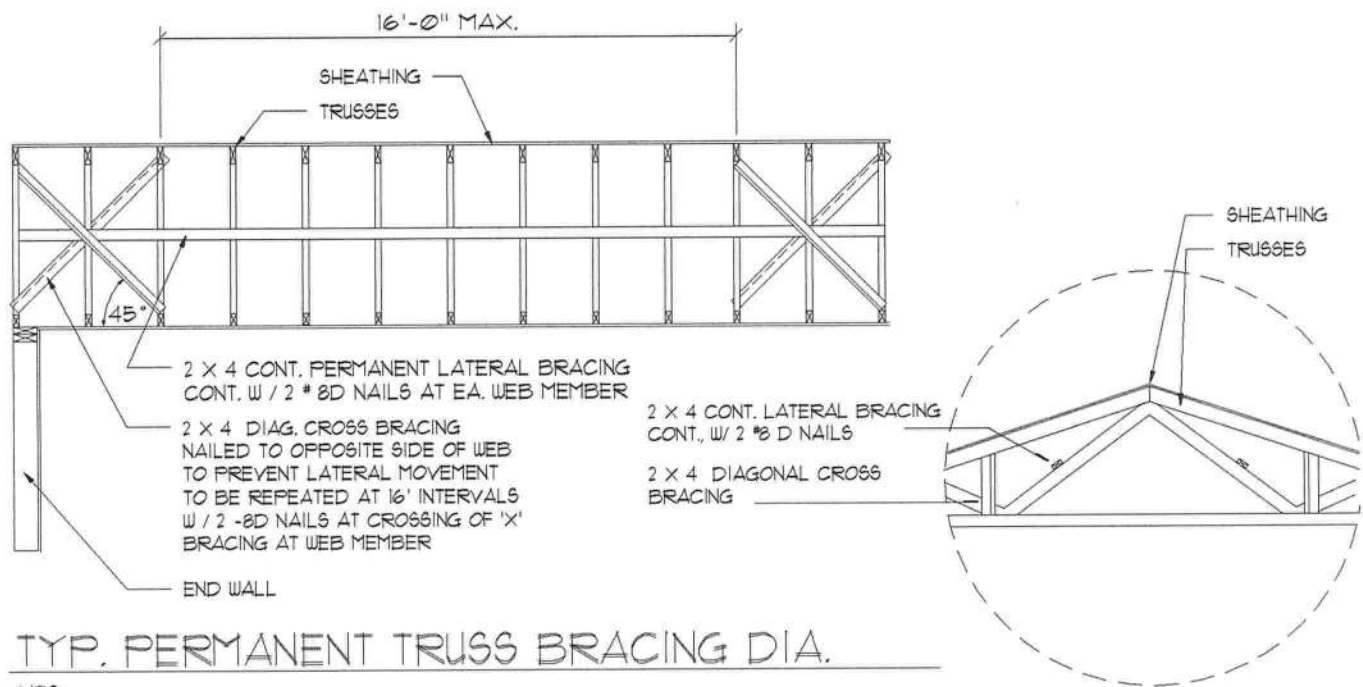
RAISED PROFILE *
PRESTIQUE HIGH DEFINITION *
PRESTIQUE 25 *
PRESTIQUE 30 *
PRESTIQUE 1 35°
PRESTIQUE 1°
PRESTIQUE PLUS°
PRESTIQUE GALLERY COLLECTION°
CAPSTONE°

ELK REQUIRED NAILS/SHINGLE = 4

* = 5 NAILS

° = 6 NAILS

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING THE SPECIFIED NAILS



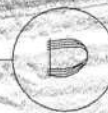
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

The Griffen Residence



25 June 2014